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.

University of Central Florida

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 tutor grade-school students, 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 200,000 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 of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Administration</td>
<td>8</td>
</tr>
<tr>
<td>Academic Calendars</td>
<td>10</td>
</tr>
<tr>
<td>University Notices</td>
<td>12</td>
</tr>
<tr>
<td>Undergraduate Academic Policy Statement</td>
<td>12</td>
</tr>
<tr>
<td>Non-Discrimination Policy</td>
<td>12</td>
</tr>
<tr>
<td>Drug-Free Workplace/Drug-Free Schools Policy Statement</td>
<td>12</td>
</tr>
<tr>
<td>Campus Alcohol Policies</td>
<td>12</td>
</tr>
<tr>
<td>Student Conduct Standards and Standards of Conduct</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>Campus Policy</td>
<td>13</td>
</tr>
<tr>
<td>Accreditation</td>
<td>13</td>
</tr>
<tr>
<td>University of Central Florida/Campuses</td>
<td>15</td>
</tr>
<tr>
<td>The University</td>
<td>15</td>
</tr>
<tr>
<td>Center for Distributed Learning</td>
<td>15</td>
</tr>
<tr>
<td>Regional Campuses</td>
<td>15</td>
</tr>
<tr>
<td>Central Florida Research Park</td>
<td>19</td>
</tr>
<tr>
<td>Endowed Chairs</td>
<td>19</td>
</tr>
<tr>
<td>University Ombuds Office</td>
<td>20</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>20</td>
</tr>
<tr>
<td>International Services Center</td>
<td>20</td>
</tr>
<tr>
<td>UCF Public Safety and Police</td>
<td>20</td>
</tr>
<tr>
<td>Information Technologies and Resources</td>
<td>21</td>
</tr>
<tr>
<td>Intercollegiate Athletics</td>
<td>22</td>
</tr>
<tr>
<td>Graduation Rate Disclosure</td>
<td>22</td>
</tr>
<tr>
<td>UCF Arena at Knights Plaza</td>
<td>22</td>
</tr>
<tr>
<td>Campus bookstore</td>
<td>22</td>
</tr>
<tr>
<td>Parking and Transportation Services</td>
<td>22</td>
</tr>
<tr>
<td>Orlando Shakespeare Theater in Partnership with UCF</td>
<td>22</td>
</tr>
<tr>
<td>UCF Alumni Association</td>
<td>23</td>
</tr>
<tr>
<td>UCF Foundation</td>
<td>23</td>
</tr>
<tr>
<td>Special Academic Programs and Research Institutes</td>
<td>24</td>
</tr>
<tr>
<td>International Studies</td>
<td>24</td>
</tr>
<tr>
<td>Study Abroad Programs</td>
<td>24</td>
</tr>
<tr>
<td>Experiential Learning (Office of), Undergraduate Studies</td>
<td>24</td>
</tr>
<tr>
<td>Division of Continuing Education</td>
<td>25</td>
</tr>
<tr>
<td>Institutes and Centers for Research</td>
<td>25</td>
</tr>
<tr>
<td>Division of Strategy, Marketing, Communications, and Admissions</td>
<td>28</td>
</tr>
<tr>
<td>Undergraduate Admissions</td>
<td>30</td>
</tr>
<tr>
<td>Campus Visit Experience</td>
<td>30</td>
</tr>
<tr>
<td>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>Administration Categories</td>
<td>31</td>
</tr>
<tr>
<td>International Applicants</td>
<td>33</td>
</tr>
<tr>
<td>New Academic Admission Clearances</td>
<td>34</td>
</tr>
<tr>
<td>Transfer Credit: All Applicants</td>
<td>34</td>
</tr>
<tr>
<td>Baccalaureate Honors</td>
<td>34</td>
</tr>
<tr>
<td>Student Financial Assistance</td>
<td>35</td>
</tr>
<tr>
<td>Office of Student Financial Assistance</td>
<td>35</td>
</tr>
<tr>
<td>Student Rights and Responsibilities</td>
<td>35</td>
</tr>
<tr>
<td>Student Eligibility</td>
<td>35</td>
</tr>
<tr>
<td>Application Priority Date</td>
<td>35</td>
</tr>
<tr>
<td>Application Procedures</td>
<td>35</td>
</tr>
<tr>
<td>Specific Eligibility Requirements and Conditions</td>
<td>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>36</td>
</tr>
<tr>
<td>Satisfactory Academic Progress (SAP)</td>
<td>37</td>
</tr>
<tr>
<td>Re-establishing Eligibility after Cancellation</td>
<td>37</td>
</tr>
<tr>
<td>Transfer Students</td>
<td>37</td>
</tr>
<tr>
<td>Independent Students</td>
<td>37</td>
</tr>
<tr>
<td>Transfer Enrollment Policy</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 Course</td>
<td>38</td>
</tr>
<tr>
<td>Student Tuition and Fees</td>
<td>39</td>
</tr>
<tr>
<td>Student Account Services</td>
<td>39</td>
</tr>
<tr>
<td>Schedule of Fees</td>
<td>39</td>
</tr>
<tr>
<td>Student Financial Responsibility Statement</td>
<td>39</td>
</tr>
<tr>
<td>Payment Procedures</td>
<td>39</td>
</tr>
<tr>
<td>Other Forms of Payment</td>
<td>39</td>
</tr>
<tr>
<td>Refund of Fees</td>
<td>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>Division of Student Development and Enrollment Services</td>
<td>42</td>
</tr>
<tr>
<td>Transfer and Transition Services</td>
<td>50</td>
</tr>
<tr>
<td>Academic Advising</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>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>Academic Regulations and Procedures</td>
<td>57</td>
</tr>
<tr>
<td>Registration Policies</td>
<td>57</td>
</tr>
<tr>
<td>Web Enrollment Guide</td>
<td>57</td>
</tr>
<tr>
<td>Transfer and Credit Hours</td>
<td>57</td>
</tr>
<tr>
<td>Credit 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>Add/Withdraw Registration</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>58</td>
</tr>
<tr>
<td>University System (SUS) Florida Transit 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 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>58</td>
</tr>
<tr>
<td>Grade System</td>
<td>59</td>
</tr>
<tr>
<td>Incomplete Grade</td>
<td>59</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>Code of Responsibility</td>
<td>60</td>
</tr>
<tr>
<td>Student Conduct</td>
<td>60</td>
</tr>
<tr>
<td>Religious Observances</td>
<td>60</td>
</tr>
<tr>
<td>Student classifications</td>
<td>60</td>
</tr>
<tr>
<td>Academic Honors</td>
<td>61</td>
</tr>
<tr>
<td>Grade Forgiveness</td>
<td>61</td>
</tr>
<tr>
<td>Academic Standing</td>
<td>61</td>
</tr>
<tr>
<td>Earning Credit While Disqualified</td>
<td>62</td>
</tr>
<tr>
<td>Readmission</td>
<td>62</td>
</tr>
<tr>
<td>Academic Amnesty Program</td>
<td>63</td>
</tr>
<tr>
<td>Athletic Eligibility and Retention Committee</td>
<td>63</td>
</tr>
<tr>
<td>Name Changes</td>
<td>64</td>
</tr>
<tr>
<td>Address and Email Changes</td>
<td>64</td>
</tr>
<tr>
<td>Transcript Requests</td>
<td>64</td>
</tr>
<tr>
<td>Third Attempt Course Repeat Surcharges</td>
<td>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>Undergraduate Degree Requirements</td>
<td>70</td>
</tr>
<tr>
<td>Requirements for Graduation</td>
<td>70</td>
</tr>
<tr>
<td>College of Catalog (Catalog Year) and Continuing Enrollment</td>
<td>70</td>
</tr>
<tr>
<td>General Education Program</td>
<td>70</td>
</tr>
<tr>
<td>Diversity Requirement</td>
<td>71</td>
</tr>
<tr>
<td>Exit Exams</td>
<td>72</td>
</tr>
<tr>
<td>Foreign Language Proficiency Requirement</td>
<td>72</td>
</tr>
<tr>
<td>SUS Foreign Language Proficiency Requirement</td>
<td>72</td>
</tr>
<tr>
<td>The Gordon Rule</td>
<td>72</td>
</tr>
<tr>
<td>Summer Attendance Requirement</td>
<td>73</td>
</tr>
<tr>
<td>Admission to the Upper Division</td>
<td>73</td>
</tr>
</tbody>
</table>
## Table of Contents

Graduation Application Deadline .......................................................... 73
Correspondence Courses ................................................................. 74
Double Majors .................................................................................... 74
Two Degrees ....................................................................................... 74
More Than Two Majors or More Than Two Degrees ...................... 74

### Academic Degrees, Majors and Minors ............................................. 75

**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 ......................................................... 100

**College of Health and Public Affairs** ........................................... 102

**College of Medicine** ..................................................................... 105

**College of Nursing** ....................................................................... 107

**College of Optics and Photonics** .................................................... 108

**College of Sciences** ....................................................................... 109

**Office of Undergraduate Studies** .................................................... 113

**Rosen College of Hospitality Management** .................................. 115

### UCF Degree Programs ................................................................. 116

- Accounting ...................................................................................... 117
- Advertising-Public Relations ......................................................... 119
- Aerospace Engineering .................................................................. 121
- Anthropology .................................................................................. 123
- Architecture .................................................................................... 123
- Art - Emerging Media Track (B.F.A.) ........................................... 127
- Art - History Track .......................................................................... 128
- Art - Studio Art Track (B.F.A.) ..................................................... 129
- Art - Studio Track ........................................................................... 131
- Art - Visual Arts and Emerging Media Management Track ......... 133
- Art Education .................................................................................. 135
- Athletic Training ............................................................................. 137
- Biology ............................................................................................ 139
- Biology - Preprofessional Concentration .................................... 142
- Biomedical Sciences ....................................................................... 145
- Biomedical Sciences - Preprofessional Concentration .............. 147
- Biotechnology ................................................................................ 149
- Business Administration ............................................................... 152
- Chemistry ....................................................................................... 153
- Chemistry - Biochemistry Track .................................................. 155
- Civil Engineering ............................................................................ 155
- Communication Sciences and Disorders .................................... 160
- Computer Engineering ................................................................... 162
- Computer Science .......................................................................... 164
- Construction Engineering ............................................................... 165
- Critical Justice ................................................................................ 167
- Criminal Justice Scholar’s Track .................................................. 169
- Digital Media ................................................................................... 170
- Early Childhood Development and Education ............................. 172
- Track 1: Education Pre-Kindergarten - Primary (PK-3) ............... 172
- Track 2: Early Childhood Development ........................................ 174
- Track 3: Early Childhood Careers ................................................ 176
- Economics ....................................................................................... 178
- Economics, Business ...................................................................... 180
- Electrical Engineering ..................................................................... 182
- Elementary Education .................................................................... 184
- English - Creative Writing ............................................................ 186
- English - Literature ......................................................................... 188
- English - Technical Communication ............................................. 190
- English Language Arts Education ................................................ 191
- Environmental Engineering ............................................................ 193
- Event Management ........................................................................ 195
- Film (B.F.A.) .................................................................................. 197
- Film - Cinema Studies Track .......................................................... 199
- Finance ............................................................................................ 200
- Forensic Science ............................................................................. 200
- Forensic Science - Biochemistry Track ....................................... 204
- French ............................................................................................... 206
- General Business ............................................................................ 207
- Health Informatics and Information Management ..................... 209
- Health Sciences - Pre-Clinical Track ............................................. 210
- Health Services Administration .................................................... 213
- History ............................................................................................. 215
- Hospitality Management ............................................................... 217

- Human Communication .............................................................. 219
- Humanities ..................................................................................... 220
- Humanities - Philosophy, Religion & Popular Culture Track .... 222
- Industrial Engineering .................................................................... 224
- Information Technology ............................................................... 226
- Interdisciplinary Studies ............................................................... 227
- Interdisciplinary Studies - Environmental Studies Track .......... 228
- Interdisciplinary Studies - Women's Studies Track .................... 230
- International and Global Studies .................................................. 231
- Journalism ....................................................................................... 233
- Latin American Studies ................................................................. 235
- Legal Studies .................................................................................. 237
- Management ................................................................................... 239
- Marketing ........................................................................................ 242
- Mathematics ................................................................................... 244
- Mathematics Education ............................................................... 247
- Mechanical Engineering ............................................................... 249
- Medical Laboratory Sciences ....................................................... 251
- Music ............................................................................................... 253
- Music - Jazz Studies Track ............................................................ 255
- Music - Music Composition Track .............................................. 257
- Music - Music Performance Track ............................................... 259
- Music Education ............................................................................ 263
- Nursing ............................................................................................ 268
- Nursing - Concurrent A.S.N. to B.S.N. Enrollment Option ....... 270
- Nursing - R.N. to B.S.N. Program ................................................... 272
- Philosophy ....................................................................................... 274
- Photography .................................................................................... 276
- Photonic Science and Engineering ............................................... 277
- Physics .............................................................................................. 278
- Political Science ............................................................................. 281
- Political Science - Prelaw Track ..................................................... 283
- Psychology ...................................................................................... 285
- Public Administration .................................................................... 287
- Radio - Television ........................................................................... 289
- Real Estate ....................................................................................... 290
- Religion and Cultural Studies ....................................................... 294
- Restaurant and Foodservice Management .................................. 295
- Science Education - Biology ......................................................... 297
- Science Education - Chemistry ................................................... 299
- Science Education - Physics ......................................................... 301
- Social Science Education ............................................................... 303
- Social Sciences .............................................................................. 305
- Social Work ................................................................................... 307
- Sociology ........................................................................................ 309
- Spanish ............................................................................................ 311
- Sport and Exercise Science ............................................................ 313
- Statistics .......................................................................................... 316
- Technical Education and Industry Training ................................... 318
- Theatre ............................................................................................. 319
- Theatre - Musical Theatre Track .................................................. 322
- Theatre Studies .............................................................................. 325
- World Languages Education - French ........................................ 327
- World Languages Education - Spanish ....................................... 329

### Minors ......................................................................................... 332

- Accounting ..................................................................................... 332
- Actuarial Science ............................................................................ 333
- Aerospace Studies .......................................................................... 333
- Africana Studies ............................................................................. 334
- Aging Studies ................................................................................ 334
- American Studies ........................................................................... 336
- Anthropology .................................................................................. 335
- Anthropology in Multicultural Studies ........................................ 336
- Art - Studio ..................................................................................... 336
- Art Education .................................................................................. 337
- Art History ....................................................................................... 337
- Asian Studies .................................................................................. 338
- Astronomy ....................................................................................... 338
- Bioengineering ............................................................................... 339
- Biology .............................................................................................. 339
- Biomedical Sciences ...................................................................... 340
- Business ............................................................................................ 340
- Chemistry ........................................................................................ 340
- Coaching .......................................................................................... 341
- Cognitive Sciences .......................................................................... 341
- Communication Sciences and Disorders .................................... 342
- Community Arts - PAVE ............................................................... 342
- Computer Science .......................................................................... 342
- Crime, Law, and Deviance ............................................................. 343

---

**UNIVERSITY OF CENTRAL FLORIDA**
Table of Contents

Criminal Justice ......................................... 343
Dance ......................................................... 343
Digital Humanities ........................................ 344
Digital Media ............................................... 344
Digital Technology ....................................... 355
Diversity and Social Inequality ......................... 345
Early Childhood Development and Education .... 338
Economic Policy ........................................... 346
Economics ..................................................... 346
Education ..................................................... 347
Emergency Management and Homeland Security 347
Energy and Sustainability ................................ 348
Engineering Leadership .................................. 348
English - Creative Writing ................................ 349
English - Linguistics ...................................... 349
English - Literature ...................................... 349
English - Technical Communication ................. 350
English Language Arts Education ................. 350
Entrepreneurship ......................................... 350
Environmental Studies .................................. 351
European Studies ......................................... 351
Event Management ...................................... 352
Exceptional Student Education ......................... 353
Film - Cinema Studies .................................. 353
Finance ......................................................... 354
Fitness Training ........................................... 354
French ......................................................... 354
Global Peace and Security Studies .................. 355
Health Informatics and Information Management 355
Health Sciences ............................................ 355
Health Services Administration .................... 356
History .......................................................... 356
Hospitality Management ................................ 356
Human Communication ................................ 357
Humanities ................................................... 357
Information Technology ................................ 358
Intelligent Robotic Systems (IRS) - Interdisciplinary 358
International and Global Studies .................... 359
International Business ................................... 359
International Engineering .............................. 359
Italian .......................................................... 361
Journalism Studies ....................................... 361
Judaic Studies .............................................. 361
Latin American Area Studies ......................... 362
Leadership Studies ....................................... 363
Legal Studies ............................................... 363
Magazine Journalism .................................... 364
Marketing ..................................................... 364
Mass Communication ..................................... 364
Media, Culture and Collective Behavior ........... 365
Mathematical Biology ..................................... 365
Mathematics .................................................. 366
Mathematics Education ................................. 366
Medical Anthropology .................................... 366
Medical Sociology ........................................ 367
Medieval and Renaissance Studies ................... 367
Middle Eastern Studies .................................. 368
Military Science ............................................ 368
Music ............................................................. 369
Nonprofit Management .................................. 369
  National Certification in Nonprofit Management 369
North American Indian Studies ....................... 370
Performing Arts Administration ....................... 370
Philosophy .................................................... 371
Philosophy, Religion and Popular Culture ........ 371
Physics .......................................................... 372
Political Science ........................................... 372
Political Science/Prelaw ................................ 373
Psychology .................................................... 373
Public Administration ..................................... 374
Real Estate .................................................... 374
Recreation .................................................... 374
Religion and Cultural Studies ......................... 375
Russian Studies ............................................. 375
Science Education ........................................ 376
Science Computing and Networks ................... 376
Social Science Education ................................ 377
Sociology ..................................................... 377
Spanish ......................................................... 377
Sport Business Management: Business Minor 378
Sport Business Management: Minor for Non-Business Majors 378
Statistics ...................................................... 379
Technical Education and Industry Training ....... 379
Technological Entrepreneurship ..................... 379
Theatre ......................................................... 380
Urban and Regional Planning ......................... 380
Women’s Studies ........................................... 381
World Comparative Studies ............................ 381
World Languages Education ............................. 382
  - English for Speakers of Other Languages .... 382
  - Languages Other Than English .................. 383
Writing and Rhetoric ..................................... 383

Certificates ................................................. 385
  Aging Studies ............................................ 385
  Behavioral Forensics .................................. 385
  Children’s Services .................................... 386
  Crime Analysis and Crime Mapping ............... 386
  Crime Scene Investigation ............................ 386
  Criminal Profiling ..................................... 387
  Cultural Tourism ....................................... 387
  Diplomacy ................................................ 388
  Educational Studies ................................... 388
  Finance: Banking ....................................... 389
  Finance: Corporate Finance ......................... 389
  Finance: Investments .................................. 389
  Health Communication ................................ 389
  Judaic Studies .......................................... 390
  Language Development and Disorders .......... 390
  Leadership Studies ..................................... 391
  Marketing: e-Marketing ............................... 391
  Marketing: Entertainment Marketing .............. 392
  Marketing: Healthcare Marketing ................ 392
  Marketing: Retailing Management ................ 392
  Marketing: Selling and Sales Management ....... 392
  Marketing: Services Marketing ................. 392
  Marketing: Sport Marketing Management ....... 393
  Native American Studies ............................. 393
  Nonprofit Management ............................... 393
  Public and Professional Writing ................. 394
  Real Estate: Mortgage Brokerage ................. 394
  Real Estate: Real Estate Appraisal ............... 395
  Real Estate: Real Estate Brokerage .............. 395
  Security Management ................................ 395
  Service-Learning ....................................... 396
  Substitute Teaching ..................................... 396
  Teaching English as a Foreign Language ...... 396
  Translation and Interpretation ..................... 397
  Victim Advocacy ........................................ 397
  World Languages Education ......................... 397
  - Accelerated Undergraduate-Graduate Programs 398
  - Aerospace Engineering (B.S.A.E. / M.S.A.E. or M.S.M.E.) 398
  - Communication Sciences and Disorders (B.A. or B.S. / M.A.) 399
  - Computer Engineering (B.S.P.E. / M.S.P.E.) .... 400
  - Computer Science (B.S. / M.S.) .................. 401
  - Electrical Engineering (B.S.E.E. / M.S.E.E.) .... 402
  - History (B.A. / M.A.) ................................. 404
  - Industrial Engineering (B.S.I.E. / M.S.I.E.) .... 405
  - Mechanical Engineering (B.S. / M.S.M.E., M.S.M.E. or M.S.A.E.) ... 407
  - Nursing Second Degree B.S.N. Option (B.S.N.) .... 408
  - Nursing R.N. to M.S.N. Option (B.S.N. / M.S.N.) ... 409

Articulated A.S. to B.S. Degree Programs ............ 412
  Applied Science ........................................ 412
  Criminal Justice ........................................ 414
  General Business ....................................... 414
  Hospitality Management ............................. 416
  Nursing A.S. to B.S.N. Track ......................... 417

Common Course Numbering System ....................... 420
UCF Courses and Descriptions ......................... 425
University Faculty ...................................... 521
Administrative Officers and Staff .................... 541
Honorary Degrees Awarded ............................ 544
UCF Glossary .............................................. 548
Index .......................................................... 547
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Director, Environmental Health and Safety ......................................... Thomas Briggs
Director, Facilities Operations ......................................................... TBA

UNIVERSITY ADMINISTRATION
### Summer 2013 Academic Calendar

<table>
<thead>
<tr>
<th></th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application Deadline for All New Undergraduates</strong></td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td><strong>Application Deadline for Readmission</strong></td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
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<tr>
<td><strong>Application Deadline for Graduate Programs Without Deadline</strong></td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td><strong>Graduation Application (Online Intent to Graduate Form on myUCF)</strong></td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
</tr>
<tr>
<td><strong>Housing Payment Due</strong></td>
<td>April 26</td>
<td>June 14</td>
<td>April 26</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Registration</strong>&lt;sup&gt;1,2&lt;/sup&gt; on myUCF</td>
<td>Mar. 18 - May 12</td>
<td>Mar. 18 - June 23</td>
<td>Mar. 18 - May 12</td>
<td>Mar. 18 - May 12</td>
</tr>
<tr>
<td><strong>Registration for State Employees,</strong>&lt;br&gt;UFC Employees, UCF Athletics Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 10</td>
<td>June 21</td>
<td>May 10</td>
<td>May 10</td>
</tr>
<tr>
<td><strong>Registration for Senior Citizen Audits</strong> (begins 3:30 p.m.)</td>
<td>May 10</td>
<td>June 21</td>
<td>May 10</td>
<td>May 10</td>
</tr>
<tr>
<td><strong>On-campus Housing opens</strong></td>
<td>May 12</td>
<td>June 21</td>
<td>May 12</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Classes begin</strong></td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td><strong>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</strong></td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td><strong>Late Registration</strong>&lt;sup&gt;1,2&lt;/sup&gt; on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 13-17</td>
<td>June 24 - June 28</td>
<td>May 13-17</td>
<td>May 13-17</td>
</tr>
<tr>
<td><strong>Last Day for Full Refund</strong></td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td><strong>Add Deadline on myUCF (ends at 11:59 p.m.)</strong></td>
<td>May 17</td>
<td>June 28</td>
<td>May 17</td>
<td>May 17</td>
</tr>
<tr>
<td><strong>Payment Deadline</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>May 24, 2013 - Students registering from 3/18/13 through 5/17/13</td>
<td>July 5, 2013 - Students registering for Summer B only 5/18/13 through 6/28/13</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</strong></td>
<td>June 6</td>
<td>July 18</td>
<td>July 1</td>
<td>June 18</td>
</tr>
<tr>
<td><strong>Withdrawal Deadline (ends at 11:59 p.m.)</strong></td>
<td>June 6</td>
<td>July 18</td>
<td>July 1</td>
<td>June 18</td>
</tr>
<tr>
<td><strong>Last Day to Reinstates Drop for Nonpayment Classes (ends at 4:00 p.m.)</strong></td>
<td>June 14</td>
<td>July 26</td>
<td>June 14</td>
<td>June 14</td>
</tr>
<tr>
<td><strong>VA Deferral Payment Deadline</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>July 26</td>
<td>July 26</td>
<td>July 26</td>
<td>July 26</td>
</tr>
<tr>
<td><strong>Classes End; Last Day to Remove Incomplete</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>June 21</td>
<td>August 2</td>
<td>August 2</td>
<td>July 12</td>
</tr>
<tr>
<td><strong>Final Examination Period</strong></td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>On-campus Housing closes</strong></td>
<td>June 21</td>
<td>August 2</td>
<td>August 2</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Grades Due in myUCF (noon)</strong></td>
<td>June 26</td>
<td>August 7</td>
<td>August 7</td>
<td>July 17</td>
</tr>
<tr>
<td><strong>Grades Available on myUCF (begins 9:00 a.m.)</strong></td>
<td>June 27</td>
<td>August 9</td>
<td>August 9</td>
<td>July 18</td>
</tr>
<tr>
<td><strong>Commencement</strong></td>
<td>August 3</td>
<td>August 3</td>
<td>August 3</td>
<td>August 3</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the [Web Enrollment Guide](http://www.registrar.sdes.ucf.edu/calendar) and online Academic Calendar 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 27, 2013
- **Independence Day Holiday** ......................................... July 4, 2013
- **Graduation Application** (Online Intent to Graduate Form on myUCF)
- **On-campus Housing opens**
- **Classes begin**
- **Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)**
- **Late Registration**<sup>1,2</sup> on myUCF (ends at 11:59 p.m. on last day)
- **Last Day for Full Refund**
- **Add Deadline on myUCF (ends at 11:59 p.m.)**
- **Payment Deadline**<sup>2</sup>
- **Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)**
- **Withdrawal Deadline (ends at 11:59 p.m.)**
- **Last Day to Reinstates Drop for Nonpayment Classes (ends at 4:00 p.m.)**
- **VA Deferral Payment Deadline**<sup>2</sup>
- **Classes End; Last Day to Remove Incomplete**<sup>3</sup>
- **Final Examination Period**
- **On-campus Housing closes**
- **Grades Due in myUCF (noon)**
- **Grades Available on myUCF (begins 9:00 a.m.)**
- **Commencement**

**NOTE:** Dates are subject to change. Consult the [Web Enrollment Guide](http://www.registrar.sdes.ucf.edu/calendar) and online Academic Calendar for information.

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### University Holidays and Special Events

- **Memorial Day Holiday** .................................................. May 27, 2013
- **Independence Day Holiday** ......................................... July 4, 2013

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* UNIVERSITY OF CENTRAL FLORIDA

10 Undergraduate Catalog 2013-2014
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2013</th>
<th>Spring 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International Students</td>
<td>March 1</td>
<td>September 3, 2013</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 2, 2013</td>
</tr>
<tr>
<td>Registration^{1,2,4} on myUCF</td>
<td>March 18 - August 18</td>
<td>Mar. 18, 2013 - Jan. 5 and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oct. 21, 2013 - Jan. 5</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 24 - August 2</td>
<td>Oct. 14, 2013 - Dec. 6, 2013</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 2</td>
<td>December 6, 2013</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>August 15</td>
<td>January 4</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 16</td>
<td>January 3</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 16</td>
<td>January 3</td>
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<tr>
<td>Classes Begin</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Late Registration^{1,2} on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 19-23</td>
<td>January 6-10</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 23</td>
<td>January 10</td>
</tr>
<tr>
<td>Payment deadline^{2}</td>
<td>August 30</td>
<td>January 17</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 7-18</td>
<td>October 7-18, 2013</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 28</td>
<td>March 10</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 28</td>
<td>March 3</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 28</td>
<td>March 3</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline^{2}</td>
<td>November 29</td>
<td>April 18</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete^{3}</td>
<td>December 2</td>
<td>April 21</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 4-10</td>
<td>April 23-29</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 11</td>
<td>April 30</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 13</td>
<td>May 1</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 13</td>
<td>May 2</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 13-14</td>
<td>May 1-3</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 17</td>
<td>May 5</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) 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 have not enrolled by the close of Registration.
2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.
4 Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2013, Fall 2013 and Spring 2014 beginning February 26, 2013. Registration for these students will begin on or after March 10, 2013. All other eligible students will receive their registration times beginning October 7, 2013, and Spring registration for these students will begin on or after October 21, 2013.

### University Holidays and Special Events

- **Labor Day Holiday** ................................................................. September 2, 2013
- **Homecoming Week (classes still held)** ...................................... November 1-10, 2013
- **Homecoming Game - vs. Houston** ................................................ November 9, 2013
- **Veterans Day Holiday (observed)** ............................................. November 11, 2013
- **Thanksgiving Holidays** ........................................................... November 28-30, 2013
- **Martin Luther King Jr. Holiday** .............................................. January 20, 2014
- **Spring Break (campus offices still open)** .................................... March 3-8, 2014
- **Founder’s Day Honors Convocation (classes still held)** ..................... April 2, 2014
Undergraduate Academic Policy Statement

The University of Central Florida, may change any of the announcements, 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 community. 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 unwelcome 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.

Undergraduate Catalog

The sale, service, possession, and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has adopted the following policies governing the sale, service, 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 and other drugs.

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

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

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

Approval Procedures: Student Groups

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

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

Approval Procedures: Non-Student Groups

When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are sold through the University and their license. Groups or organizations which a campus concession holds a license, alcoholic beverages are to be sold through the University and their license.

The following information must be supplied by the student organization and approved with special events.

Drug-Free Workplace/Drug-Free Schools

Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in 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/termination and for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

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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 equipped with a wireless network adaptor. Recommended configurations can be found on the University’s website at [http://www.cstorecore.ucf.edu/flyers/recommended_PC.pdf](http://www.cstorecore.ucf.edu/flyers/recommended_PC.pdf).

**Undeclared Policy**

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

**Student Responsibility for University Communication**

UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The university sends all business-related and academic messages to a student’s Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email account at [http://www.knightemail.ucf.edu](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/](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, 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** | **Accrediting Body**
--- | ---
**Arts and Humanities**<br>Music, Music Education | National Association of Schools of Music (NASM), 12250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248

**Business Administration**<br>(all disciplines) | The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730

**Education**<br>(all programs leading to initial teacher certification) | State Accreditation - Florida Department of Education; 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 | Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Telephone: (410) 347-7700

Computer Science | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Telephone: (410) 347-7700

**Health and Public Affairs**
Athletic Training | Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664

Health Informatics and Information Management | Commission on Accreditation for Health Informatics and Information Management Education (CAHIIE), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60001-5800

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

**Social Work** | Council on Social Work Education (CSWE), 1225 19th Street NW, Suite 200, Alexandria, VA 22314-3457

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

**Nursing**
Nursing | Florida Board of Nursing, Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036
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.
The University
407-823-2000
http://www.ucf.edu

UCF Stands For Opportunity: The University of Central Florida is the nation’s second-largest university and is located in one of the most dynamic and vibrant communities in the country – the Orlando metropolitan. 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 will graduate 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.

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 Hitt’s arrival in 1992, UCF’s enrollment has more than doubled and the number of doctoral degrees awarded has grown eightfold.

Outstanding Students: UCF continues to attract many of the nation’s best and brightest students. The fall freshman class for the 2012-13 academic year posted an average SAT score of 1244, a 77-point increase over the grade-point average of 3.9. A total of 241 National Merit Scholars enrolled in fall 2012. UCF also continues to become more diverse each year, with a UCF-record 39 percent of students in fall 2012 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks Stadium and the 10,000-seat UCF Arena opened in September 2007 on the north end of UCF’s campus. Anchored by the UCF 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, ballroom rooms, meeting rooms, popular eats and the latest in a small shopping mall. A state-of-the-art Health Center 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 new Career Services and Experiential Learning building features 17 private interview rooms, including a boardroom-style suite where cameras record students’ practice interviews.

The first phase of a new performing arts center features state-of-the-art classrooms and practice and performance spaces for the Music and Theatre programs. The new center will eventually host first-class theaters and music programs for UCF and the surrounding communities to enjoy.

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 10 national university to watch. This category recognizes national universities that “recently made the most promising and innovative changes in academics, faculty, students, campus or facilities.” UCF also has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine.

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

The Center’s mission is to provide support to students, faculty and staff in the development and planning of distributed learning courses and programs. The Center serves as the central agent for online learning at UCF, 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.

The Center for Distributed Learning provides opportunities for students to 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.

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

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. 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 or be admitted to a UCF online program.

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 community/ 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, 16 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 and Advising 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 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. At UCF Regional Campuses students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at http://www.regionalcampuses.ucf.edu.
Administration

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

Vice Provost, UCF Regional Campuses ...................................... TBA
Senior Administrative Assistant .................................................. Kathi Harris
Coordinator, Academic Support Services ..................................... Stephen Holmes
Coordinator, Academic Initiatives ................................................. Waheeda Illasarie
Coordinator, Academic Initiatives ................................................. Mary Lynn Bresset
Facilities Scheduler ..................................................................... Denise Devlin
Coordinator, Academic Initiatives ................................................. 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
Interim College/Division IT Manager ............................................. Aaron Misiano
College/Division IT Project Manager ............................................. Calston Llewellyn
Interim Director, RC Advising & Student Services ....................... Pam Cavanaugh
Associate Vice President, Business Affairs and Operations .......... David Laney
Director, Continuing Education .................................................... Linda Cirocco
Administrative Assistant .............................................................. Jeanette Holder
Coordinator, Academic Support Services ..................................... Joe Schofield
Director, Library Services ............................................................ Cynthia Kisby
Senior Art Specialist ................................................................. Mary Lou Wade

Campuses

UCF Valencia West, UCF Valencia Osceola
Director, Academic Support Services .......................................... Edgar Martinez
Associate Director, Academic Support Services ......................... Carol Black
Assistant Director, Enrollment Services ....................................... Kathy Butler
Coordinator, Academic Advising Services I ................................. Chris Miller
Coordinator, Academic Advising Services II ............................... TBA
Coordinator, Academic Advising Services II ............................... Salama Mohamed
Coordinator, Enrollment Services ............................................... Shellie Thomas-Small
Coordinator, Student Services .................................................... Jim Smith, Jr.
Administrative Assistant ............................................................. Jacqueline Diaz

UCF Daytona
Assistant Vice President and Director, Daytona Beach Campus .................................................. Linda Bradley
Associate Director, Academic Support Services ......................... Darryl Gleeley
Associate Director, Student Services ......................................... Raphael Robinson
Senior Admissions/Registrar Officer ............................................ Sheri Newble-Dunn
Coordinator, Academic Advising Services II ............................. Tina Davis
Coordinator, Academic Advising Services II ............................. Virginia LaRue
Coordinator, Academic Advising Services II ............................. Angela Edwards-Johnson
Coordinator, Administrative Services ........................................ Bonnie Marsh
Department IT Manager ............................................................. Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte
Associate VP, UCF Sanford/Lake Mary and UCF Altamonte Springs ................................................................. David Mealer
Director, Academic Support Services ........................................... Sean Armstrong
Assistant Director, Enrollment Services ....................................... Pamela Williams
Coordinator, Student Services ..................................................... Ashley Squillante
Coordinator, Academic Advising Services I ............................... Sarah Zoll
Coordinator, Academic Advising Services II ............................... Jackie West-Lee
Coordinator, Academic Advising Services II ............................... Andrea Velez-Vazquez
Department IT Manager ............................................................. Russell Muller
Administrative Assistant ............................................................. Debbie Copertino

UCF Cocoa, UCF Palm Bay
Assistant Vice President, Cocoa/Palm Bay .................................... Denise Young
Director, Academic Support Services ........................................... Lauren Miller
Coordinator, Student Services ..................................................... Angelia Jones
Assistant Director, Academic Support Services ......................... Sonya Curtis
Assistant Director, Enrollment Services ....................................... Nick Pantoni
Coordinator, Academic Advising Services I ............................... Kim Poppert
Coordinator, Academic Advising Services II ............................... Angel Edgecombe
Coordinator, Academic Advising Services II ............................... Patricia Terrill
Coordinator, Academic Advising Services II ............................... John King
Coordinator, Academic Advising Services II ............................... Sheryl Schagen
Coordinator, Enrollment Services ............................................... Jessica Houts
Department IT Manager ............................................................. Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs ................................. Cecelia Rivers
Director, Academic Support Services ........................................... Tanya Armstrong
Administrative Assistant ............................................................. Lita Reyes
Director, Student Services .......................................................... Pamela Brady
Assistant Director, Enrollment Services ....................................... Christy Pasinus
Coordinator, Enrollment Services ............................................... Thomas Silarek
Coordinator, Academic Advising Services I ............................... TBA
Coordinator, Academic Advising Services II ............................... TBA
Coordinator, Academic Advising Services II ............................... Bethany Larson
Coordinator, Academic Support Services .................................... Crystal Flynn
Department IT Manager ............................................................. Mei Wong

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.B.A.) College of Business Administration
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
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
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
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 – Creative Writing
Exceptional Education
Health Services Administration
History
Human Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
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

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
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
### Undergraduate Degree Programs

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

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

#### 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

#### Photography (B.S.) College of Arts and Humanities

#### Political Science (B.A.) College of Sciences

#### Psychology (B.S.) College of Sciences

#### Social Sciences (B.S.) College of Sciences

#### Sociology (B.A.) College of Sciences

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

#### Undergraduate Minors

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

#### Graduate Degree Programs

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

#### 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
- Business Administration (B.A.) College of Business Administration
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Technical Education and Industry Training (B.S.) College of Education and Human Performance

#### Undergraduate Minors

- Anthropology in Multicultural Studies
- Business (for non-business majors)
- Criminal Justice
- Crime, Law and Deviance
- Diversity of Social Inequality
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Mass Culture and Collective Behavior
- Medical Sociology
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies

#### 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, Legal Studies, Software Development, and Supervision and Administration
- Business Administration (B.A.) College of Business Administration

#### 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, Legal Studies, Software Development, and Supervision and Administration
- Business Administration (B.A.) College of Business Administration
- Interdisciplinary Studies (B.A., B.S.) College of Sciences
- Nursing (R.N. to B.S.N.) College of Nursing
- Political Science (B.A.) College of Sciences
- Psychology (B.S.) College of Sciences
- Technical Education and Industry Training (B.S.) College of Education and Human Performance

#### Undergraduate Minors

- Anthropology in Multicultural Studies
- Business (for non-business majors)
- Criminal Justice
- Crime, Law and Deviance
- Diversity of Social Inequality
- English – Creative Writing
- Health Services Administration
- History
- Interpersonal/Organizational Communication (B.A.) College of Sciences
- Mass Communication
- Mass Culture and Collective Behavior
- Medical Sociology
- Political Science
- Psychology
- 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, Legal Studies, Software Development, and Supervision and Administration
- Business Administration (B.A.) College of Business Administration
University of Central Florida/Campuses

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
Interdisciplinary Studies (B.A., B.S.) College of Health and Public Affairs
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
Social Sciences (B.S.) College of Sciences
Technical Training and Industry Training (B.S.) College of Education and Human Performance

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

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences

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
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A., B.S.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences
Psychology (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
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Valencia Osceola
407-582-4190
(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
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
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
Political Science (B.S.) College of Sciences
Public Administration (B.A.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Religious Studies (B.A.) College of Arts and Humanities
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business (for non-business majors)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Valencia West
407-582-5500
(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, Legal Studies, Software Development and Supervision and Administration
Architecture (B.B.) College of Arts and Humanities
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
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
Sociology (B.A.) College of Sciences
Social Sciences (B.S.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business for non-business majors
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English-Creative Writing
Interpersonal/Organizational Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
University of Central Florida/Campuses

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.

**Phillis-Schenck Chair in American Private Enterprise:** Created in 1980 as the focal point for a continual dialog on major economic issues, comparative 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: Narsingh Deo.

**William S. and Alice M. Jenks 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: Paul Lartonnox.

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

**The Cobb Family Eminent Chair in Optical Sciences and Engineering:** Created in 1988 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 1989 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 2002 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 Batya.

**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 at 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 Deppe.

**Agere Systems, Inc. Eminent Scholar Chair of Computer Science:** Created in 2005 in recognition of the university’s leadership in the Florida High Tech Corridor and the FHTC Council’s objective of attracting, retaining, and growing tech-based industry in our region and in the preparation of the workforce needed for our region. Chair: Mubarak A. Shah.

**Beat M. and Jill L. Kahlil Endowed Professorship in Oncology Nursing:** Created in 2005 to support work with researchers and clinicians in helping to improve the lives of cancer survivors. Endowed Professorship: TBA.

**Chatos Foundation Endowed Chair in Nursing:** Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing care. Chair: Karen Aroian.

**Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting:** Created in 2004 as a key component of the Dixon School of Accounting. Chair: TBA.

**Howard Phillips Eminent Scholar Chair in Real Estate:** Created in 2005, as a key component of the Dr. P. Phillips School of Real Estate. Chair: Randy I. Anderson.
21st Century Scholar Chair: Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the College of Optics and Photonics. Chair: Konstantin L. Vodopyanov.

Florida 21st Century Chair: Created in 2007 to strengthen and support teaching and research in the fields of control and signal processing in the College of Engineering and Computer Science. Chair: Marwan A. Simaan.

Dr. Neil Euliano Chair in Italian Studies: Created in 2005. This is the first Chair in Italian Studies in the State of Florida and is designed to support the teaching and research of an internationally recognized scholar of Italian and Italian American culture. Chair: Paolo Giordano.

NAIOP Eminent Scholar Chair in Real Estate: Created in 2005 as a key component of the D. P. Philips School of Real Estate. Chair: Geoffrey K. Underwood.

Judith & David Albertson Eminent Scholar Endowed Chair: Created in 2004 to attract a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to Visual Arts. Chair: TBA.

Lester N. Mandell Eminent Scholar Endowed Chair: Created in 2004 to assist in the development of an Ethics Center. Chair: TBA.

Endowed Chair in Transportation: Created in 2006 to attract and retain an experienced and recognized professor specializing in transportation research and education. Chair: TBA.

Capital Campaign Engineering Endowed Chair: Created in 1983 to provide support for a chair in Engineering. Chair: TBA.

FL Hospital Endowed Chair in Nursing Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in Nursing and other health disciplines. Chair: TBA.

Karli M. Guenther Endowed Chair in Thin Film Optics: Created in 1998 to support the School of Optics Education in Thin Film Optics. Chair: TBA.

Kurdish Political Studies Endowed Chair: Created in 2007 to expand studies in Political Science and the Middle East. Chair: TBA.

Florida Photonics Center of Excellence Endowed Chair in Biophotonics: Created in 2003 to strengthen and support teaching and research in the field of biophotonics at the College of Optics and Photonics. Chair: TBA.

Florida Hospital Endowed Chair in Cardiovascular Science: Created in 2011 to build collaborative research programs with Florida Hospital and other Central Florida scientists while providing leadership to the research enterprise in the Burnett School of Biomedical Sciences, College of Medicine. Chair: Sampath Parthasarathy.

Hugh F. and Jeannette G. McKean Endowed Chair in Nursing: Created in 2004 to strengthen and support the preparation of nurse educators. Chair: Diane Wink.

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 Officer, as a neutral facilitator, is trained to listen 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. The University Ombuds Office is the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. 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 change on the police computer screen, callers who are either too young or too incapacitated 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 various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

Office of Undergraduate Studies
Interim Vice Provost and Dean: Eliott Vattles
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 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-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2801
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 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 computer records for advisement and graduation certification.

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

The International Services Center (ISC), 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: Richard Beary
Building #150, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency which prides itself on providing professional services to the university community through prevention, education and enforcement. The University Police provide services twenty-four hours a day, seven days a week to the university community.

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. University 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 change on the police computer screen, callers who are either too young or too incapacitated 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 various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

The Patrol Division (407-823-5555) provides proactive police services to the campus community by means of foot patrols, and marked vehicle patrols. The Patrol Division additionally contains specialized patrol units such as K-9, marked motorcycle units, bicycle patrol units and all-terrain vehicles to meet the unique needs of an expanding urban university.

The Investigations Division (407-823-5555) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

University of Central Florida/Campuses

Undergraduate Catalog 2013-2014
The Community Relations Division (407-823-5555) offers crime prevention seminars regarding the protection of personal property and safety. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

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. Services include: Crisis interventio support, safety planning, practical assistance, options, information and referrals. Educational programming is also provided to both 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

Associate Director for Administrative Services: Frank R. Allen
LIB 512; 407-823-2892

University Libraries offers a wide variety of information resources and services, 2.4 million volumes, 43,300 journal subscriptions, 3.1 million microforms, and 51,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 624,000 e-books, and 27,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the website: http://library.ucf.edu or by calling 407-823-2756. Over 285 computer workstations are available for public use. Sixty-three wireless laptops can be checked out for use anywhere in the John C. Hitt Library. Available for weekend checkout are 45 iPads, five Android tablets, cameras, DVD players, scanners and digital video recorders. Wireless technology enables patrons to bring their own devices to connect to the Libraries' electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

The Knowledge Commons, the Libraries’ newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip-up tables. Two-thirds of seating in the area offers a desktop PC or immediate access to power.

The Libraries’ web-based catalog can be accessed from any computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books. For help and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation. The website http://library.ucf.edu/ask/connects students with Ask a Librarian, where questions are submitted and answered by Instant Messaging; email; telephone at 407-823-2562, or toll-free at 866-271-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, http://infoLit.ucf.edu, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in coursework as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students and faculty members in obtaining materials not owned by the UCF Libraries. Most book loans, photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ill. For more information, call 407-823-2383 during office hours or visit the ILL website.

Services are provided for students with disabilities. In collaboration with the University’s Office of Student Disability Services, students may request assistance with retrieval of materials by contacting the Circulation Desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading machine. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ 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. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. 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.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education and Human Performance Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. 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, and open to the entire UCF community as well as to hospitality industry professionals. The library provides access to most of the services available through the main campus library. For additional information go to http://library.ucf.edu/Rosen or call: 407-903-8100.

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local Florida College System institutions to provide complete information services. Two examples of websites customized for Regional Campus needs are the Services for Distance Learners page http://library.ucf.edu/Services/DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/Locations/. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

All locations provide electronic access to library and University resources on the web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional and branch campus sites. For more information see the website at http://library.ucf.edu/BranchCampuses/Locations/default.asp.
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 sup-port of multimedia resources and services. The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty and electron-ic thesis and dissertation (ETD) support. 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 College of Graduate Studies to provide computer and media expertise for students who are completing their ETD.

OIR also maintains videoconferencing and other online collaboration facilities for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appro-priate method of collaboration to meet your needs. For consultation services, 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’s Scheduler to reserve a classroom or to change the meeting space for a class.

**Intercollegiate Athletics**

**Vice President and Director:** Todd Stansbury  
**WD2:** 407-823-2201  
**http://www.UCFAthletics.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 BIG EAST 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.

UCF has won 17 conference championships and played in 27 NCAA tournament games since joining Conference USA. For consultation services, 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’s Scheduler to reserve a classroom or to change the meeting space for a class.

**Graduation Rate Disclosure**

The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2006 full-time cohort is 65.1 percent. The retention rate for Summer-Fall full-time 2011 students is 87.8 percent. The information is public and available for review on the Institutional Research website.

**UCF Arena at Knights Plaza**

**http://www.ucfarena.com**

The UCF Arena is the largest live entertainment and sports facility in East Orlando. With seating for more than 10,000 fans, it is home to UCF athletic events, university graduation ceremonies and a diverse lineup of world famous entertainers, beloved family shows and festivi-ties rivaling any in the country.

Nestled on the north side of the UCF Arena, The Venue at UCF Arena is a more intimate space showcasing established and up-and-coming acts, special events and selected athletic activities including volleyball games and basketball practices.

Knights Plaza, home of the UCF 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.ucfarena.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, is located in the John T. Washington Center. It 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 UCF Arena in 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.shop.ucf.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 18 on-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 Thursday, 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 campuses 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 Lakes Festival of New Plays, and innovative educational programming that includes sum-mer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and “Shakespeare in the Schools” 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. $10 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. 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://ucffoundation.org

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

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

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

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

Director: Angel Cardec
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; Maastricht University, the Netherlands; University of the West of England and University of Surrey in the United Kingdom; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University, The Netherlands; Konkping and Malardalene universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

There are many 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 experiences in their academic programs to gain the necessary academic and professional competencies they need to be successful employees and engaged community members upon graduation. Almost half of the student body participates in experiential learning courses 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 and assessment. 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, supervises the ArtsBridge Program in which Art, Music, Writing, and Theatre majors teach course content through the arts in local schools, 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 the school year) or full-time (usually during summers). They are available through OEL or through college departments. Contact information for department internship coordinators is on the OEL website.

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
Special Academic Programs and Research Institutes

Institutes and Centers for Research

Center for Economic Education
Director: Robert L. Pennington
BA2 303E; 407-823-2640
Email: rpennington@bus.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: Roberto 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
Academic Director: Robert Porter
Programs Liaison: Jaime Patterson
407-235-3912
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 Masters in Management
- Professional Masters in Real Estate
- Conference services
- Public enrollment programs

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 to obtain access into the OEL online database system. They then meet with Experiential Learning 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, tutorial, 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: Suzi Katz-Siewinski
BA2 223; 407-823-3555
http://www.ncasports.org

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.

The NCAS reaches this goal in the Central Florida community by partnering with the DeVo's Sport Business Graduate Program to provide ongoing outreach and community service to community organizations in underserved areas.

The Southeast Region also works with the NCAS National Office to make programs available to athletic departments in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and culminates partnerships between the University, local schools, community organizations, and other nonprofit agencies that also are committed to serving the community.

For additional information, visit the National Consortium for Academics and Sports website at http://www.ncasports.org.

Division of Continuing Education
Director: Linda Ciocco
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Associate Vice President: Stephen Holmes
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-323-3654, 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.

reflexion, supervision and evaluation, and available for non-credit or credit when it will count in a student's academic program. The Co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with 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.

http://www.uncflorida.edu
Special Academic Programs and Research Institutes

Florida-Canada Linkage Institute
Director: Angel Cardec
407-823-3647, Fax: 407-882-0240
Email: fcli@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the Governments of the State of Florida and Canada, and 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 Office of International Studies, 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: Angel Cardec
407-823-3647, Fax: 407-882-0240
Email: eeli@mail.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 Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and Florida College System institutions for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crothy
407-882-3960, Fax: 407-882-3968
http://www.iog.ucf.edu

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

Florida Solar Energy Center (FSEC)
Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Eastern Florida State College, FSEC has garnered national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrocarbon and fuel cells, and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematics (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

Florida Space Institute (FSI)
Director: Ramon Lugo
Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359
Email: ramon.lugo@ucf.edu
http://fsi.ucf.edu

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

In addition to traditional classrooms, FSI has had complete laboratories for supporting research projects, including a satellite ground station. Additionally, FSI had utilized the Space Center as a laboratory to perform field experiments. This combination of capabilities provides students with an unequaled opportunity to obtain an education with experience, through practice-based teaching, in the areas of space science and engineering.

Institute for Simulation and Training (IST)
Director: Randall Shumaker
Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
Email: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

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

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR, Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of more than 150 public and private entities specializing in simulation training and located along a coast-to-coast high tech corridor from Tampa to Daytona Beach—the largest concentration of this expertise in the world.

IST’s research staff of more than 260 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 and team training
- Cognitive science/augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula. First in the nation 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 Modelin & 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

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2013-2014
a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills.

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

Institute of Statistics and Data Mining

Director: David M. Nickerson
TC2 206; 407-823-5528
Email: David.Nickerson@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/](http://statistics.cos.ucf.edu/). The consulting service is available to faculty members working on funded projects for a modest fee. Professor David M. Nickerson 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](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 biology, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at [http://see.orau.org](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](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 College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including eight Sub-Centers 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
- Finance
- Operations
- Technology
- Marketing
- Accounting
- Management
- Business Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
Overview

The division is responsible for overall university strategic planning, organizational assessment, operational effectiveness improvements, and detailed planning support for myriad aspects of the university’s mission.

The division is also responsible for communicating the life and success of the university through an integrated communications program, coordination of media relations, employment of creative broadcast services, and the attraction and enrollment of diverse, academically talented undergraduate students.

As one of the nation’s largest public universities, UCF has a wonderful history of growth, diversity, service, and achievement in academics, campus life, research, economic development, community service, and partnerships with many constituencies, including the UCF academic community, current and prospective students, corporate partners, alumni, donors, community members, and elected officials.

Enterprise Decision Support (EDS)

Director: Linda Sullivan
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
Email: dwarehouse@ucf.edu
http://www.iroffice.ucf.edu

The mission of Enterprise Decision Support (EDS) is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning by the university community and to provide information for external agencies and the Florida Board of Governors.

Institutional Knowledge Management (IKM)

Assistant Vice President and University Data Administrator: M. Paige Borden
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
http://www.iroffice.ucf.edu

The mission of Institutional Knowledge Management (IKM) is to facilitate expansion of knowledge through official actionable information of the highest quality as a foundation for decision-making, policy formation, and institutional excellence.

Institutional Research (IR)

Associate Director: Patricia Ramsey
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
Email: iroffice@mail.ucf.edu
http://www.iroffice.ucf.edu

The mission of Institutional Research (IR) is to provide information of the highest quality which is timely, accurate, and useful to facilitate and enhance decision-making and planning at the University of Central Florida. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.

IR provides electronic and web-based dissemination of official information to the university community (including the Board of Trustees, the various colleges, departments and other academic and administrative units), external agencies, and the Florida Board of Governors (BOG). IR generates, supervises and develops all official university data reports, and state-required BOG reports, and end-user data solutions.

News and Information

Associate Vice President for Communications & Public Affairs: Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988
http://www.today.ucf.edu

The Office of News & Information is the university’s primary communications department, focusing on public and media relations, strategic internal communications, issues management, public affairs, and emergency communications and preparedness. Staff members serve as the university’s official spokespersons and consistently offer high-quality, innovative and timely communications services to promote and protect UCF’s reputation.

Operational Excellence and Assessment Support (OEAS)

Director: Patrice Lancey
Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
http://www.o eas.ucf.edu

The mission of Operational Excellence and Assessment Support (OEAS) is to support efforts to improve the effectiveness and efficiency of university operations and the quality of student learning outcomes through assessment. OEAS accomplishes this by providing support to all administrative units and academic programs through integrated processes that include continuous quality improvement, survey development, data collection, analysis, and guidance in assessment.

Regional Campuses Enrollment Services, Marketing and Outreach

Associate Vice President: Angé Peterson
University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547
http://regionalcampuses.ucf.edu

Regional Campuses works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to regional campus students. The office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.

Regional Campuses Student Services

Interim Director: Pam Cavanaugh
University Towerers, 12201 Research Parkway, Orlando 32826; 407-823-4547
Email: pamela.cavanaugh@ucf.edu

Student Services, UCF Daytona Campus
Associate Director: Raphael Robinson
388-506-4028
Email: raphael.robinson@ucf.edu

Student Services: UCF Cocoa and UCF Palm Bay Campuses
Associate Director: Angélia Jones
321-433-7820
Email: angelia.jones@ucf.edu
Division of Strategy, Marketing, Communications and Admissions

Student Services: UCF South Lake, UCF Leesburg and UCF Ocala Campuses
Director: Pamela Brady
352-536-2219
Email: pamela.brady@ucf.edu

Student Services: UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses
Associate Director: Carol Black
Coordinator: Jim Smith
407-582-5487
Email: carol.black@ucf.edu

Student Services: UCF Sanford/Lake Mary Campus
Coordinator: Ashley Squillante
407-708-2805
Email: ashley.squillante@ucf.edu

The UCF Regional Campuses Student Services offices provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.

Strategic Planning
Associate Vice President: Doan Modianos
MH 329; 407-823-1192
http://www.ucf.edu/strategic_planning/

The Office of Strategic Planning is responsible for maintaining the university’s strategic plan and provides support and guidance to the larger university community regarding development and implementation of strategic plans at UCF. The office works closely with the Provost, Deans and Division Directors, Vice Presidents, and the Faculty Senate to ensure that the University’s strategic planning efforts are well designed and effectively coordinated. Additionally, Strategic Planning provides data analyses and specific planning advice for academic and support units in developing their unit-level strategic plans.

Student Financial Assistance
Executive Director: Mary H. McKinney
MH 120; 407-823-2827
http://finaid.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 for walk-in traffic. Due to confidentiality issues, counseling by phone and email is limited. Student Financial Assistance, a unit of Admissions within the division of Strategy, Marketing, Communications and Admissions, is dedicated to supporting and attaining UCF’s mission and goals.

Student Outreach Programs
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

The primary mission of Student Outreach Programs 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 College Reachout Program (UCF-CROP) is supported by the Florida Department of Education’s CROP program and provides campus and school-based programs to 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.

Television Services – WUCF TV
Associate Vice President for Communications & Public Affairs:
Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988
http://wucftv.org

WUCF TV is the region’s only PBS channel, reaching 4 million viewers. WUCF TV’s mission is to enrich lives through educational, entertaining and inspiring programs and partnerships that positively inform and influence our community. WUCF TV also provides high-quality video production services to internal and external clients.

Undergraduate Admissions
Associate Vice President: Gordon D. Chavis, Jr.
Progress Energy University Welcome Center; 407-823-3000
Email: admission@mail.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 state university, state college, and Florida College System 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 9 a.m. to 5 p.m.

University Analysis and Planning Support
Director: Sandra Archer
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-882-0285
http://www.uaps.ucf.edu

University Analysis and Planning Support (UAPS) enhances the management capability within the University of Central Florida (UCF) by providing models and information to support and empower academic units, administrative units, and external stakeholders to utilize analysis and research results as the cornerstone for informed decision-making. UAPS develops and conducts a wide range of institutional and ad hoc studies. Specific areas of support include strategic planning, management analysis and planning, enrollment planning, and exploratory data analysis.

University Marketing
Associate Vice President: Terry K. Helms
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5977
http://marketing.ucf.edu

UCF Marketing ensures the integrity of the UCF brand, increases the university’s visibility and image, creates cost-saving opportunities, enhances revenues, attracts students, engages alumni, and informs the public through multiple media with strategic services and partnerships that tell the UCF story locally, statewide and nationally.
Undergraduate Admissions

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

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

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

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

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

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the 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 on 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 and an application for 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 appropriate testing agency (e.g., AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

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

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

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

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

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

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

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)
C. Transfer*
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public institution)**

F. Non-Degree Seeking (not including students who have already earned a bachelor degree)***
G. Limited Non-Degree Seeking****
H. Special Non-Degree Seeking (includes students participating in specific non-degree seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

*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.flvc.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. 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:

| Academic Subjects | Units Required
<table>
<thead>
<tr>
<th></th>
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</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 or ACT 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:

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Admissions

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

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 have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, 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;
   - written 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 high school course work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.

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

Transfer Applicants

UCF welcomes transfer applications to the university. Students should apply online at http://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does not 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 students are encouraged to review the current edition of UCF’s “Transfer Student Counseling Manual” available at http://transfer.sdes.ucf.edu/transfer_student_manual/. The manual provides the recommended Florida College System institution course requirements for all majors as well as other helpful information.

Transfer Applicants with Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 credit hours of acceptable academic credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be 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, Florida public state colleges, 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 two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, 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 eleven 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 native 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,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

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://www.registrar.ucf.edu/forms/readmission/.

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

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

Transient Student Applicants
A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student's last school of attendance is a Florida public institution, they must apply through the Florida Virtual Campus website at http://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.graduate.ucf.edu/undergraduate_applicants/.

International Applicants
The University of Central Florida is authorized under federal law to attend as non-degree seeking should follow the procedure through our graduate degree seeking. Students who have already earned a bachelor's 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/undergraduate_applicants/.

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

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

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

- Results of the SAT or ACT 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 examinations.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with the International Services Center indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at http://www.intl.ucf.edu/index.cfm?PageID=238 and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:

Jofel Silny and Associates World Education Services

Mandatory Health Insurance for International Students on F-1 and J-1 Visas
Each international student on an F-1 or J-1 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-1 and J-1 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.

Written proof of insurance must also be provided if the insurance is issued by a foreign carrier or underwriter. A statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on F-1 or J-1 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.

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

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

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

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

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

All college level credits earned for which official transcripts have been submitted will be compiled into a “Transfer Summary Report” (TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, 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. For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.


Office of Student Financial Assistance
Executive Director: Mary H. McKinney
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 Strategy, Marketing, Communications and Admissions, 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 physical handicap. 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 the law.

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 as considered for attendance. UCF in an eligible program. 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 award/s. 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;

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;

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. A link is provided on the website.

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 from 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 transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries.

Messages from the federal processor should be reviewed thoroughly;

Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through promptly. 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. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;

Offered federal funds and other need-based financial aid are not considered firm 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. 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 award/s. 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;

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;
Student Financial Assistance

- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA.
- Students must reapply annually for financial aid.
- Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF.
- Students must be U.S. citizens or an eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I-551); 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 a 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 financial aid program/s. 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 our application priority date.
- Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data from 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 transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. 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 and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university.
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests.
- If there are extenuating circumstances or problems at any time, 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 for the estimated Cost of Attendance.

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 our application priority date.
- Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data from 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 transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. 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 and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university.
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests.
- If there are extenuating circumstances or problems at any time, 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.

Estimated Cost of Attendance for 2013-2014

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>Fall/Spring based on 14 hours per term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$6,576</td>
</tr>
<tr>
<td>Books</td>
<td>1,146</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>9,300</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$21,098</td>
</tr>
</tbody>
</table>

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 “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the website under its particular title.

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

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.

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 changes such as contingent admission status, less than minimum hours enrolled, lack of academic progress, changes needed due to Verification, incomplete files, additional resources, etc.

Student awards will be based upon the student’s financial need, the amount of available funds, the number of UCF students who qualify for aid, and the date the student completes the application process. The amounts listed on the award notifications are estimates based on full-time enrollment. For purposes of financial aid, enrollment is based solely on classes that count toward degree completion. If a class is not required to earn a degree, then the hours of that class are not used to calculate a student’s enrollment.

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking. Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

It is the student’s responsibility to be aware of minimal hourly 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 appear on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferrals allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three 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. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap 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.

UNIVERSITY OF CENTRAL FLORIDA

36 Undergraduate Catalog 2013-2014
Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Drop/Swap and Add, awards are adjusted based on student’s enrollment. The week following, the disbursement process is initiated by moving 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, if subsequent charges are made to the student’s account, it is the student’s responsibility to make sure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address 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 the week 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. 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 meet the 70% standard or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved putting 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 counting 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.

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

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 the percentage to a minimum of 70%, the student will be reinstated dur-
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. 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. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility.

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, and submit the Transient Notification Form for Financial Aid for Florida Public Community/State Colleges or Universities on or before the withdrawal deadline of the term in which aid is to be disbursed.

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

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

Transient enrolled students 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 insure 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 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.

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, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on myUCF, Student Center. 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 withdraw from the university after having received financial assistance, they will 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. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.

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 TUITION AND FEES

Student Account Services
Sr. Associate Controller: Dan Mayo
MH 109; 407-823-2433,
Email: stuaccst@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: 2013-2014 tuition and fees had not been established at the time of this publication. Rates for the 2013-2014 academic year will be available in July 2013 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 campus, 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. The Fee Invoice will not show fees such as housing, library, parking, etc. Tuition Fee invoices are available 24/7 on the web https://my.ucf.edu, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making a payment. Tuition Fee invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

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

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:
“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.
I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial responsibilities.

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 2013 Financial Responsibility Statement had not been established at the time of this publication.

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

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.
- E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 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 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 Student Account Services website.

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://www.registrar.sdes.ucf.edu/calendar/academic/ 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.
Student Tuition and Fees

Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

Partial Refund (25%) 25% of tuition and fees 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.

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

Direct Deposit
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be 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 Add period for the term, who re-register, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is $100.00 per term minimum.

Late Payment DNP (Drop for Non-Payment) Fees are charged to students who are dropped for non-payment of courses per term minimum.*

*Summer term is divided into sessions, and the late fees are charged per session.

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

To qualify as a Florida resident for tuition purposes in accordance with State regulations, the student must be a United States citizen, resident alien, 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 must be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incidental to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And

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

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof that the student has maintained residence in the state for the preceeding 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 domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
   n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;

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

   Or

   Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to any other state,
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 continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

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

The Registrar’s Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant 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.
Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from matriculation, 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 city-state and the global community.

The division 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: TBA
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and purchasing 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. We provide an online financial training workshop for student organization officers and their faculty/staff advisors.

In addition, our office manages 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. Our office also 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.
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 overarching 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, Freshman LEARN living learning community, STEP, Pegasus Success, CAP, and OSSM 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)
Director: Keira Kant
PH 216; 407-823-5105
Email: fy@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 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 as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course. Finally, FYE oversees the Pegasus Parent program, which aims to provide students and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent program and occurs every fall semester during a home football game weekend.

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

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the develop-
ment of active advising, leadership development, and programmatic support to engage members in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, and sisterhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Fraternity and Sorority Life can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can find what’s happening within the Greek community by reviewing our Facebook page or our website. Currently, we 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 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.
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.

The UCF HS Insurance office staff will assist students with filing claims with their medical insurance company. Currently, UCF HS physicians are contract in-network providers with BlueCross BlueShield PPO and Blue Options. United Healthcare, Aetna, AvMed, and Cigna health plans. This entitles 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 and students are required to pay each semester. However, when purchased, the insurance may cover most of the Health Services charges 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 Dental Center is the newest addition to the broad range of health services available to students and is staffed with a dentist, dental hygienists, dental assistants, financial counselor and clinic coordinator. This state-of-the-art facility is located in the on-campus Health Center and provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. The Dental Center accepts Dental Insurance PPO plans and the financial counselor can assist with payment for various treatment plan options.

The UCF Pharmacies are state-of-the-art facilities, staffed with pharmacists passionate about patient education and providing excellent customer service. Patients are individually counseled and provided with written drug information. Each prescription is monitored for duplicate therapy, drug allergies and interactions. The Pharmacies accept over 250 prescription insurance plans and offer competitive prices for students who do not have insurance coverage. The UCF Pharmacy is located on the first floor of the Health Center; additionally, Knight Aide, our satellite pharmacy which features an expanded convenience store, is located in Knight’s Plaza near the UCF Arena and Towers residence halls.

When the Health Center is closed, students may obtain information and help from the Health Services telephone message at 407-823-2701 or the 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; 407-823-4663
http://www.housing.ucf.edu

The Department of Housing and Residence Life offers regularly enrolled single students paying tuition and fees for a minimum of nine credit hours housing on the Orlando campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is available for freshmen, upperclassmen, transfer, and graduate students. The Rosen College of Hospitality Management campus has housing available for all classes of hospitality students. Married and family student housing is not available.

Students can apply for housing after being admitted to the university. The online application process is available through myUCF. There is not enough on-campus housing for all first-year students who apply. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include fall/spring academic-year agreements with a separate application for summer or 11.5 month annual agreements (fall/spring/summer).

Housing choices range from suite style shared bedroom residence halls to single bedrooms in apartments. Most first-year students who apply for academic year agreements will receive assignments in shared bedroom suite style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.

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.

Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services
SU 304A; 407-823-1027
http://www.ucf.edu/lgbtq

The mission of Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services 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, the LGBTQ Services office helps coordinate signature LGBTQ+ cultural programs at UCF such as Open Mic, History Month, Annual Coming Out Day, Transgender Day of Remembrance, Transgender Week of Visibility and the annual Lavender Celebration. LGBTQ Services additionally advises the SGA agency Pride Coalition and supports the LGBTQ+ communal space Pride Commons located in Farrell Commons.

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
HPH 102; 407-823-2716
http://mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic advising, career development, 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 mentoring program; and designs and coordinates cultural and
Division of Student Development And Enrollment Services

social activities to assist students in realizing their academic, career and personal goals. 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.

Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range
Ferrell Commons, Building 7C, Suite152; 407-823-6505
http://offcampus.housing.ucf.edu

Off-Campus Student Services and Student Neighborhood Relations assist students with their search for off-campus housing accommodations. The OCSS-SNR provides resources from the local off-campus apartment communities regarding student housing. This office also offers information and instructions for students wishing to sublease their off campus apartment; “moving off-campus” consultations; information about local services, i.e. transportation, furniture rental information, dry cleaning, shopping, and utilities.

OCSS-SNR further serves UCF students who live off campus with directions and information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive and development environment for off-campus students by providing advocacy for resolving problems, “on the spot” or through campus referrals, and by exploring other available resources.

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

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 450 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knight Camp, Knightcast, Knight-Thon, Knights of the RoundTable (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 a special accommodation to participate in our programs or services to email us at osiassiat@ucf.edu.

OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)
Director: Dana Juntunen
FC 227; 407-823-6960 or 407-823-4638
http://osrr.sdes.ucf.edu; http://concem.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 Case Management (Students of Concern). OSRR promotes a campus climate of integrity, civility and accountability by providing a wide array of resources, education, and crisis management services for the university community. We purposefully challenge students during the 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://goldenrule.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://iad.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
Associate Director: Nicholas Oleksy
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, internet at http://goldenrule.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.

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

The PRIME STEM Student Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, and/or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: tutoring, financial literacy, academic success workshops, professional and cultural events, personal and career counseling, mentoring, graduate school services and opportunities for undergraduate research, service learning, and conference attendance.

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

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The purpose 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 C. Boyd
MH 161; 407-823-3100, Registration 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 campus-wide 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, online Web Enrollment Guide, 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 sessions and advising support as part of the “Sophomore Connections” programming conducted each fall semester.

**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, peer tutoring, learning consultations, and academic success workshops.

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. These peer-led study sessions give students in these courses 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 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 students study skills assessments and online resources to help them become successful at the college level.

**Student Disability Services (SDS)**

**Director:** TBA  
**FC 185; 407-823-2371**  
**http://sds.sdes.ucf.edu**

The Office of Student Disability Services provides information and individualized accommodations consistent with the student’s documented disability. Such accommodations may include, but are not limited to, assistance with classroom accommodations (including examination accommodations), and information and referral to campus and community services for students with disabilities.

To be eligible for disability-related accommodations, students must have a documented disability as defined by applicable federal and state laws. Accommodations are available to students whose disabilities include, but are not limited to, attention-deficit hyperactivity disorder, deaf and hard-of-hearing, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, visual impairment, or other disabilities requiring academic or curricular accommodations. Students seeking accommodations are required to provide recent documentation from an appropriate health care provider or professional.

If a student needs special admission consideration based on a disability, the student should answer this question on the Application for Admission form and send the requested appropriate documentation to the Undergraduate Admissions Office.

After admission to the university, students who have a disability and may require academic accommodations must contact Student Disability Services. Students submit appropriate disability documentation, along with a Request Documentation Review form, to SDS. SDS staff will contact the student either to schedule an orientation with the office or request further documentation. Students must be registered with SDS to be eligible to receive academic and co-curricular accommodations. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTYs/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

**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 student life. These services include, free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal service 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, Pride Coalition, Knight-Thon, Knights of the RoundTable, Knightcast, and much more.

Most services are funded by the Student Government Association. These services are available to all UCF students, alumni, and members of the community.

**Student Leadership Development (SLD)**

**Director:** Stacey Malaret  
**SU 207; 407-823-2223**  
**http://sld.sdes.ucf.edu**

The mission for Student Leadership Development (SLD) is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, SLD will incorporate the UCF CREED and the Social Change Model of Leadership to create professional, academic, and experiential opportunities that challenge, empower, and educate students to become socially engaged agents 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 a one-day workshop to an extended program that may last several weeks to two years. The focus is to provide a variety of leadership options that empower students to have different needs, time constraints, and levels of interest.

The LEAD Scholars Program, designed for the first two years at UCF, provides academic, service, and experiential opportunities for students to combine in and out of class challenges and learn to understand the inter-relationship of all aspects of a college career. The application process for this program is open to all first-time college students at the beginning of their career and has resulted in high persistence rates of its participants.

Lead Out Loud is an experiential program that focuses on the leadership development of multicultural students at the University of Central Florida. This program promises to enhance leadership skills, strengthen life skills and encourage positional leadership in this population of students at UCF. These are essential learning outcomes for students who will not only be retained by the university, but will be able to serve as effective leaders on campus and in the community.

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 necessary to hold various leadership positions on campus and in the work area.

**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 Bankruptcy, traffic tickets, criminal cases including misdemeanors and felonies of third degree,
Division of Student Development And Enrollment Services

and sealing and expungement of criminal records. Services are pro-
vided free of charge to students who are currently enrolled at UCF
and paying activity and service fees; including those attending the
regional campuses of Rosen College, the College of Medicine.
Students in need of legal services should contact the Student Legal
Services office to schedule an appointment.

Student Outreach Services (SOS) at Rosen College of Hospitality Management

SOS Student Staff: sosrosen@ucf.edu
9907 Universal Blvd., Suite 202-B, Orlando, FL 32819; 407-903-8238

Student Outreach Services (SOS), as a part of the Office of
Student Involvement, creates involvement opportunities for students
at the Rosen College of Hospitality Management. These opportuni-
ties include social and educational programming driven by students.
Involvement in Registered Student Organizations (RSOs) is also an
option for Rosen students.

Student Union

Director: TBA
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 and 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
postal kiosk. 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 informa-
tion, call the Information Desk at 407-823-0001. The Student Union
is funded by the Student Government Association.

Transfer and Transition Services

Director: Charlene A. Stinard
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
undeclared majors, undecided, or changing majors;

* Current information about university programs and policies
including entrance and exit requirements;

* Advocacy and assistance in resolving transfer issues;

* Transition advising services for currently enrolled juniors and
seniors who are undeclared or changing majors;

* Peer Mentors provide transfer advising services and connections
to the campus community, including Transfer Knights club;

* Written articulation agreements and inter-institutional relation-
ships 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.

University Testing Center (UTC)

Director: Rebecca Piety
HPH 106; 407-823-5109
Email: utc@ucf.edu
http://utc.sdes.ucf.edu/

The University Testing Center administers the Accuplacer: Critical
Thinking Test, Distance Learning/Correspondence Exams; Florida
Teacher Certification Examination (FTCE); Foreign Language
Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF
Math Placement Test; R/N 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

* Praxis

* Law School Admissions Test (LSAT)

* Test of English as a Foreign Language (TOEFL IBT)

Veterans Academic Resource Center (VARC)

Director: Paul Viau
Veterans Academic Resource Center, ARNA; 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 and is partially funded
by a grant from the U.S. Department of Education Fund for the
Improvement of Postsecondary Education (FIPSE).

Located at UCF Knights Plaza/Arena, across from Barnes & Noble,
VARC is open 9 a.m. to 5 p.m. Mondays through Fridays, and pro-
vides 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, ARNA; 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.gibill.va.gov/).

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 CCFAF
transcripts to the Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for
a VA deferment of tuition and fees. The VA Deferment due date is con-
tained 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-
day term benefits, and 6 to 8 credit hours for halftime benefits.
Five credit hours or less will be reimbursed at the cost of tuition and
fees or 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/assets/documents/ucfyellowribbonprogram_rules.pdf for more information.

Wellness and Health Promotion Services including the Campus Alcohol and Other Drug Intervention Program
Director: Tom Hall
CAPS and RWC; 407-823-2924/407-823-5841
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, academic success, and disease prevention by offering a wide range of health promotion and intervention services on topics including: sexual wellness, nutrition, financial wellness, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, and healthy relationships. A variety of services are provided, including screening, education, health promotion, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV Testing & Counseling, massage therapy, and biofeedback assisted relaxation training.
Transfer and Transition Services

Director: Charlene A. Stinard
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include 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. to B.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 undecided, 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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<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
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<tbody>
<tr>
<td>Y___ N___</td>
<td>met with a DirectConnect advisor</td>
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<td>Y___ N___</td>
<td>met with counselor or advisor for graduation check</td>
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<tr>
<td>Y___ N___</td>
<td>completed application for graduation</td>
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<tr>
<th>Application for Admission</th>
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<td><em><strong>/</strong></em></td>
<td>date submitted</td>
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<tr>
<td>Y___ N___</td>
<td>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>/___</td>
<td>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___</td>
<td>transcripts sent from all current and prior institutions</td>
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<tr>
<td>Y___ N___</td>
<td>date final transcript sent after term completed</td>
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<tr>
<th>Financial Aid/Scholarship</th>
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<tr>
<td><em><strong>/</strong></em></td>
<td>date financial aid application (FAFSA) sent</td>
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<td><em><strong>/</strong></em></td>
<td>date SCHOLARSHIP application sent</td>
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<tr>
<td>Y___ N___</td>
<td>“to do” list checked on myUCF</td>
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<tr>
<th>Housing</th>
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<tr>
<td>Y N</td>
<td>reviewed OCSS handbook: Survival Guide for Living off Campus</td>
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<td><em><strong>/</strong></em></td>
<td>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></td>
<td>date Student Health Form submitted</td>
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<tr>
<td>Y___ N___</td>
<td>need immunizations</td>
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<tr>
<th>Foreign Language Requirements (Admission)</th>
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<td>Y___ N___</td>
<td>2 years/units earned in high school</td>
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<tr>
<td>Y___ N___</td>
<td>8-10 credits earned at the college level</td>
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<tr>
<td>Y___ N___</td>
<td>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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<thead>
<tr>
<th>Program (Major) Requirements</th>
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<tbody>
<tr>
<td>Y___ N___</td>
<td>selected a major</td>
<td></td>
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<tr>
<td>Y___ N___</td>
<td>completed major prerequisites</td>
<td></td>
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<tr>
<td>Y___ N___</td>
<td>submitted limited access application</td>
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<tr>
<td>Y___ N___</td>
<td>met grade point average (GPA) requirements</td>
<td></td>
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<tr>
<td>Y___ N___</td>
<td>met cumulative GPA for admission to program of study</td>
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<tr>
<td>Y___ N___</td>
<td>met cumulative GPA in courses taken for program of study</td>
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<tr>
<td>Y___ N___</td>
<td>met grade requirements for designated courses</td>
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<tr>
<td>Y___ N___</td>
<td>met audition/portfolio/additional admission requirements</td>
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<th>Orientation:</th>
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<tr>
<td><em><strong>/</strong></em></td>
<td>Orientation date at UCF</td>
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</table>
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 services 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 success 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 (WDS/C 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 Colbourn Hall (CNH) room 201 and advisors can be reached by phone at 407-823-3312 or via email at cahsa@mail.ucf.edu. 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 prior to 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. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

New students will:
1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
3. Meet with an academic advisor in the Office of Undergraduate Student Support (USS, BA2 101) during the first enrolled term to petition any relevant transfer work into their degree program;
4. Meet with a Career advisor in the College of Business Administration, BA2 Room 222 (Career Services Satellite Office), to understand the career options of your major; and,
5. Be advised in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.

Continuing students will:
1. Meet with an academic advisor in the area of their major to:
   a. Discuss College of Education and Human Performance based on program requirements.
   b. Plan an appropriate first term schedule;
2. Be advised by the College of Education and Human Performance's Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
3. Be assigned to an academic advisor once they have passed the College of Education and Human Performance based on program requirements. 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.
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Review Degree Audit on myUCF. Check myUCF, CBA TV monitors, or the USS Office for registration dates each term;
6. Review Degree Audit through myUCF frequently to check progress toward course requirements; and,
7. Utilize LiveText software based upon program requirements; and,
8. 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 Education and Human Performance
New students will:
1. 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;
2. Be advised by the College of Education and Human Performance’s Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
3. 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 telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment; and,
4. 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 Academic Advising Center, 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 a 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. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

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

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

**New students will:**
Meet with the 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; and
3. Plan an appropriate first semester class schedule.

**Continuing students will:**

1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time.
6. Meet with an advisor during the month of February. Dental and veterinary medicine applicants should return completed packets by April 15. All other applicants (chiropractic, medical, optometry, podiatry, and pharmacy) are encouraged to return completed packets by May 1.

**Pre-Health Professions Advisement**

The Pre-Health Professions Advisement Office (HPA1 124; 407-823-2670) serves all students University-wide preparing for and seeking admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, pharmacy, podiatry, veterinary medicine, chiropractic, physical therapy, and physician assistant programs. The services range from basic advising in pre-health professions matters, to providing a Composite Evaluation of the student to each professional school to which the student applies (upon his/her request after at least 30 credit hours of typical undergraduate pre-health professions courses taken at UCF).

**Pre-Health Professional Planning**

Preprofessional advisement deals primarily with application and admission procedures to 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. 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, however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools. All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first Spring semester at UCF.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained. All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

**Curricula Guidelines**

All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first Spring 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 Biological Sciences**
  - BSC 2010C, 2011C*
- **Genetics**
  - PCB 3063
- **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 2253 (prefer MAC 2311, 2312
- **Physics**
  - PHY 2053C, 2054C or PHY 2048, 2049
- **Statistics**
  - STA 2023

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

**For additional recommended courses, contact the Pre-Health Professional Advisement Office (HPA1 124).**

**Dates of Importance**

The preprofessional screening process is initiated every February. Application packets are available at the Pre-Health Professions Advisement Office during the month of February. Dental and veterinary medicine applicants should return completed packets by April 15. All other applicants (chiropractic, medical, optometry, podiatry, and pharmacy) are encouraged to return completed packets by May 1.

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. Otherwise, the student applicant must deal directly with the admissions office of the school.

**College of Nursing**

**New students will:**
Meet college advising representatives in group settings during 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 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 their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. 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;
5. 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,
6. 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;
3. Design a plan of study with an advisor for the upcoming semester; and,
4. Bring the plan of study to their COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will:
1. During the term prior to your term of graduation, do all of the following:
2. Review COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar; and,
4. Receive a review of their degree audit by a COSAS advisor and 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 major 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
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 programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the College in the DirectConnect to UCF program and continues with professional advisors available at the Regional Campuses. 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 students’ degree program.
ACADEMIC REGULATIONS AND PROCEDURES

Registration Policies

During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following the second term for the Fall semester. Summer and Fall Registrations begin 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 each registration period are included in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic/.

Web Enrollment Guide

The Web Enrollment Guide is maintained online. It provides the official "Academic Calendar" and describes the policies and procedures governing registration each term. The Guide is available on the Registrar’s Office website at http://www.registrar.ucf.edu/weg/.

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 valued to 17 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

Credit Hours

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

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

Credit Hour Limits

Undergraduate students are limited to 14 credit hours for the Summer term and to 17 each course of instruction 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 not enrolling in excess courses. 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 hour 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 hour 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 made 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 without intent of returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

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 normal 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.

Senior Citizen Audit

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

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 basis at the prescribed time of Registration each term at the time specified on the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, 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. Students must 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
- Teacher Certification or re-certification
- Soldiers-to-Scholars
- Regional Campuses
- Teacher Certification or re-certification

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

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.
2. Students who have been previously denied admission or disqualified for enrollment are not eligible.
Academic Regulations and Procedures

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 enrolling 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. 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, or on-campus courses. 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 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 under “College Students” or “Transferring”. The SUS Transient Application Form must be completed each term and should be completed online or delivered/mailed to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. Students should visit the Florida Virtual Campus website at http://www.registrar.ucf.edu for contact information or to request a printed copy from 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” or “Transferring”. Transient 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 2010 and beyond using the UCF grading system. Because of grade 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, and other third party agencies may request enrollment and degree verifications online at http://www.degreemoji.org. A fee will be charged for all such requests. If you have not already done so, please go to the 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://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or 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. Fax 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 may also mail a written request to the Registrar’s Office, UCF, 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 withdraw 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 approval prior to withdrawing from a class. Students are not allowed to withdraw from courses for an entire term with the intent of not returning to UCF. Students 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. Exceptions to this circumstance 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. Students must submit the completed petition and supporting documentation to Late Drop Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should contact the Office of Academic Services. Students who are granted a late withdrawal by Academic Services will be given a passing or failing grade assigned by the instructor of the course. The student was passed, a “P” will be recorded on the student’s permanent record; if failing, a “W” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for any withdrawn courses. Students must submit the completed petition with all supporting documentation for a Late Withdrawal to Academic Services (MH 210) within one year of the end of the term for which the Late Withdrawal is sought.

Medical Withdrawal: Students who seek a withdrawal for the student’s own medical reasons must apply for a medical withdrawal form. The medical withdrawal process is open for students seeking to petition for a medical withdrawal who contact the Office of Academic Services. A medical withdrawal is intended for a student whose own medical condition prevents them from completing the semester. All required forms must be submitted to initiate the review process. The
Academic Regulations and Procedures

student’s physician provides the University with the appropriate medi-
cal information using the forms provided by the Office of Academic
Services. A medical withdrawal must be for all classes in the term.
Medical withdrawals can only be approved in cases where the student
is unable to finish the term. The medical condition should have arisen
during the given semester (and not be pre-existing), and of serious
duration and effect. Medical withdrawals for consecutive semesters
are not approved. Students must submit the completed petition with
all supporting documentation for a Medical Withdrawal to Academic
Services (MH 210) within six months of the end of the term for which
the Medical Withdrawal is sought.

If a medical withdrawal is approved, a refund of tuition and fees is
also approved, and a “WM” will be recorded for each course. A “WM”
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 approved as a late
withdrawal and grades of “WF” or “W” will be recorded. A grade of
“WF” will affect the calculation of the student’s Grade Point Average.

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

Should an alleged violation of academic behavior standards arise
before the withdrawal deadline in a term, the instructor shall notify
the unit head who will notify the University Registrar that the student
shall not be withdrawn from the course in question. Only a written
release from the authorized party deciding a student appeal will permit
withdrawal. However, if the student appeals the academic action and
desires to withdraw from the course, the process shall be initiated by
the student immediately in the normal University manner. Such
withdrawal requests will be held in abeyance until a ruling on an appeal
is obtained. If resolved in favor of the student, the withdrawal request
will be processed at the time. The individual empowered to rule on
the student appeal shall appropriately notify both the University Registrar
and the Director of the Office of Student Rights and Responsibilities
or designee of the outcome. For additional information regarding
Academic Behavior Violations, see the current Golden Rule
(http://www.goldenrule.sdes.ucf.edu).

Grade System
The University uses an alphabetic system to identify student grades
and other actions regarding student progress or class attendance.
Beginning Fall 2001, a plus/minus grading system became effective,
with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>A-</td>
</tr>
<tr>
<td>B+</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>B-</td>
</tr>
<tr>
<td>C+</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>C-</td>
</tr>
<tr>
<td>D+</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>D-</td>
</tr>
<tr>
<td>F</td>
</tr>
<tr>
<td>NC - No Credit</td>
</tr>
</tbody>
</table>

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. GPA is recalculated after each term; for Summer GPA
is recalculated only after all Sessions and end of term. The GPA for
graduation requirement is a minimum UCF 2.0 (“C”).

Example: A student has completed 13 credit hours for a given term.
To calculate the Term GPA:
1) Multiply the number of credit hours per course by the number of
grade points per grade. Then add each amount to arrive at the total
number of grade points earned for that term:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade Points</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>B+</td>
<td>3 credit hours</td>
</tr>
<tr>
<td>#2</td>
<td>A</td>
<td>3 credit hours</td>
</tr>
<tr>
<td>#3</td>
<td>A</td>
<td>4 credit hours</td>
</tr>
<tr>
<td>#4</td>
<td>B</td>
<td>3 credit hours</td>
</tr>
</tbody>
</table>

Total = 13 credit hours x 3.54 GPA for that term.

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.

UCF Cumulative GPA. If prior to this term the student had earned a
total of 162 grade points for a combined 54 term hours of coursework,
his or her cumulative grade point average entering this term would be
162/54 = 3.00. Including this term of coursework, the cumulative grade
point average would be (162 + 46) / (54 + 13) = 3.10.

Incomplete Grade
A grade of “I” (Incomplete) may be assigned by the instructor when
a student is unable to complete a course due to extenuating circum-
cstances, 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 tran-
script. The Incomplete must be changed within one year of the last
day of the term attempted or prior to graduation from the University,
whenever comes first. Unresolved Incomplete grades automatically
will be changed to “F” by the Registrar’s Office. Unresolved “I” grades
in courses graded with a grade of “S” or “U” will be converted to “F”.

Legend

<table>
<thead>
<tr>
<th>Action</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
<tr>
<td>N</td>
<td>No grade reported by instructor</td>
</tr>
<tr>
<td>R</td>
<td>Repeated course (Grade Forgiveness)</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (credit/Satisfactory Progress)</td>
</tr>
<tr>
<td>T</td>
<td>(Research, Thesis, or Dissertation) (followed by grade)</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (no credit)</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawn Failing</td>
</tr>
<tr>
<td>WH</td>
<td>Health Form Withdrawal</td>
</tr>
<tr>
<td>WM</td>
<td>Withdrawal Failing</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrawal Passing</td>
</tr>
<tr>
<td>X</td>
<td>Audit (no credit)</td>
</tr>
</tbody>
</table>

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

In the event of academic dishonesty, faculty members may assign
a Z in front of a final course grade on a students academic record.
For further information regarding the addition, removal and appeals
process of the Z designation, see http://z.ucf.edu/
Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of “I” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the term 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 special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include 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; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty) and other good and sufficient reasons (e.g., serious family emergencies) 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 all of 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.
- **Special Student:** A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

- **Temporary:** A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.
- **Transient:** Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

**Limited Non-Degree Seeking:**
A student earning credit, but not working on a degree program.

**Provisional:**
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.
Academic Honors

President’s Honor Roll Certificate (Full-Time Award)
The President’s Honor Roll Certificate (Full-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA, complete 12 or more hours, excluding satisfactory/unsatisfactory course work, and did not earn any “I,” “U,” “N,” “NC” or “WF” grades during a given term.

President’s Honor Roll Certificate (Part-Time Award)
The President’s Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any “I,” “U,” “N,” “NC” or “WF” grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean’s List
The Dean’s List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than “C” (2.0) and no “I,” “U,” “N,” “NC” or “WF” grades during a term.

Baccalaureate Honors and Diplomas
The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:
1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years; and
2. Attain at least a 3.20 overall grade point average; and,
3. Honors will be awarded:
   
   Summa Cum Laude for those students in the upper 2.5 percent
   
   Magna Cum Laude for those students in the upper five percent
   
   Cum Laude for those students in the upper 10 percent, but not in the upper five percent

Records for the term of graduation are incomplete at the time the Commencement Program is printed. Identification of these students at graduation therefore is presumptive of honors and not conclusive, since final term grades may result in changes in relative rankings.

Consult the Academic Honors list at http://www.iroffice.ucf.edu/character/honorscutpoints.html for the most up-to-date UCF Honors minimum GPA requirements.

Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online "Intent to Graduate."

Honors in the Major
Please see “Honors in the Major” in The Burnett Honors College portion of the Undergraduate Catalog.

Grade Forgiveness
Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. 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://www.registrar.ucf.edu/calendar/academic/ for the most current information.

The following policies apply:
1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA or meet degree requirements;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 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;
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 instance, 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.”

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 possibility to academic jeopardy 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
Academic Regulations and Procedures

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 Reconsideration supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “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 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. Submit to the Registrar’s Office transcripts from all other schools attended during suspension (if applicable).

The Registrar’s Office will review the readmission application only when it receives all of the documents listed above. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension
A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal, and may only appeal the disqualification period once for one appeal per 12-month period following the disqualification period.

Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)
Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change.

Dropping or Withdrawing During Readmitted Term
Disqualified or excluded students who drop or withdraw from all courses during the readmitted term for whatever reason must apply for readmission.
Academic Regulations and Procedures

Disqualified students are limited to one appeal for an exception to University policy to the Admissions and Standards Committee during the disqualification period and one appeal per 12-month period following the disqualification period.

Excluded students are not eligible to appeal for an exception to University policy to the Admissions and Standards Committee.

Non-Academic Admission Clearances

According to the Florida Board of Regents Rule 6C-6.001(2) "...If determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so." This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): "Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant's written request, the University shall provide the reasons for the rejection in writing."  

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; and 3) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who has been denied readmission has thirty (30) days from the date of the denial to appeal to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:
1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PIN);
   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 ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

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.

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., 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 161). 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 161 or online at http://www.registrar.ucf.edu.

In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name option may accomplish this by submitting the Change of Name Form to the Registrar’s Office.

Address and Email Changes
The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the 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 acceptable. 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 to 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 Surcharge
All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Account Services (MH 109).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process. Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Exemptions to the third attempt surcharge will be considered through a written petition with documentation to the Fee Appeals Committee, they may be repeated for credit are exempt. Students seeking exemp-

Grades are available
upon written authorization signed by the student. Telephone and email requests are not acceptable. 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.

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Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional 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 even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > Student 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.sdes.ucf.edu, requesting that this information be withheld.

Other Disclosures:
FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student’s prior written and signed consent. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at http://www.ed.gov/offices/OM/fpco/.

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from http://www.registrar.ucf.edu/hea/.
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 Program. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor's and Master's degree listed in the Undergraduate Catalog. Test credit is applied according to the published policy at the time the credit is received and posted by the University.

Advanced Placement Program (AP) (see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled "Advanced Placement Exams" provides information related to Advanced Placement examination areas and subtest areas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or 5 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.

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**ADVANCED PLACEMENT (AP)**

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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.
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-

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<th>Score of 4</th>
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<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>Geography</td>
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<td>GEO 1200 and 1400</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>SPH 1121 and 2230</td>
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<td>ART 1012 and 1906</td>
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<td>*This use for General Education applies only to I.B. credit.</td>
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COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>GEP Usage</th>
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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.

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.

A warding 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

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<th>GEP Usage</th>
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<tr>
<td>French Language (AS-Level)</td>
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<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td>MAT Found 1</td>
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<tr>
<td>French Literature (AS-Level)</td>
<td>FRW 3100</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td></td>
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<tr>
<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<tr>
<td>History - The History of the USA, c. 1840-1968</td>
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<tr>
<td>History - Modern European History, 1789-1939</td>
<td>EUL 2031</td>
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<td>History - International History, 1945-1991</td>
<td>WOH 2040</td>
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<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
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</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td></td>
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<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
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<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
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<td>Psychology (AS-Level)</td>
<td>PSY 12</td>
<td>SCI Found 2</td>
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<td>Psychology (A-Level)</td>
<td>PSY 12 and PSY 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td></td>
</tr>
<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
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<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</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.
otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the information related to the CLEP examination areas and subtest areas and the CLEP examination is taken. University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

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 may obtain credit for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination is taken. Excelsior College Examinations (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.

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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<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td>SCI Found 2</td>
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<td>Astronomy</td>
<td>AST 2002</td>
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<td>Business Law II</td>
<td>BUL 2242</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td>SCI Found 2</td>
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<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Environmental and Human</td>
<td>EVR 1017</td>
<td>SCI Found 2</td>
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<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>Fundamentals of Counseling</td>
<td>PCD 1202</td>
<td>SCI Found 2</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td>SCI Found 2</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td>SCI Found 2</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Intro to Computing</td>
<td>COS 1050</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Intro to Modern Middle East</td>
<td>ASH 2044</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>SCI Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
<td>SCI Found 2</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 2</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>SCI Found 2</td>
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<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>SCI Found 2</td>
<td>45</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNS 1345</td>
<td>SCI Found 2</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td>SCI Found 2</td>
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<tr>
<td>Substance Abuse</td>
<td>HSC 2140</td>
<td>SCI Found 2</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
<td>SCI Found 2</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td>SCI Found 2</td>
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EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GECY 1000</td>
<td>COM Found 1</td>
<td>45</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>COM Found 1</td>
<td>45</td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td>COM Found 1</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>COM Found 1</td>
<td>45</td>
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UNDERGRADUATE DEGREE REQUIREMENTS

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 catalog;
- 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 classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or Spring, Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a “Catalog Year Change Request Form” to the Registrar's Office (MH 161). This form is available at the Registrar's Office or online at http://www.registrar.ucf.edu.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits; to equip them with the analytic and expressive skills required to engage in those pursuits; to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are marked, 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.)

#### A. Communication Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3(3,0)</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3,0)</td>
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<tr>
<td>SPC 1630</td>
<td>Fundamentals of Technical Presentations</td>
<td>3(3,0)</td>
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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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#### B. Cultural and Historical Foundation

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>EIH 2000</td>
<td>Western Civilization I</td>
<td>3(3,0)</td>
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<tr>
<td>EIH 2001</td>
<td>Western Civilization II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3(3,0)</td>
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<td>AMH 2020</td>
<td>U.S. History: 1877-present</td>
<td>3(3,0)</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
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<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
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#### C. Mathematical Foundation

<table>
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<td>MAC 1105C</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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#### D. Social Foundation

<table>
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<tbody>
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<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3(3,0)</td>
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<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3(3,0)</td>
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<td>POS 2041</td>
<td>American National Government</td>
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#### E. Science Foundation

<table>
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<tbody>
<tr>
<td>AST 2001</td>
<td>Astronomy PR: High School Algebra or MAC 1105C</td>
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<tr>
<td>PSY 2010</td>
<td>General Psychology</td>
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<td>ANT 2000</td>
<td>General Anthropology</td>
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<td>PHY 2053C</td>
<td>College Physics I: MAC 1105C and MAC 1114C</td>
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<td>BSC 1005*</td>
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</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

- Demonstrate an ability to assess the extent to which claims presented as “scientific” satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

### Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation 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:

#### GEP Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C</td>
<td>MAC 1114C, MAC 1140C, MAC 2223, MAC 2253, MAC 2311, MAC 2312, MAC 2313</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>MGF 1107</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>PHY 2048C, PHY 2049C, PHY 2054C</td>
</tr>
<tr>
<td>MAC 1114C</td>
<td>CHM 2054C, CHM 1032, CHS 1440, CHS 2405 &amp; CHM 2041</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>BSC 2010C</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>BSC 2100C</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2000C, COP 2500C, COP 3600C, COP 3700C</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>STA 2023, STA 3002</td>
</tr>
<tr>
<td>THE 2000</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>FIL 2030, FIL 3036, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>MUH 2017, MUH 2019, MUH 3212, MUH 2033, 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.

### General Education Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition I</td>
</tr>
<tr>
<td>SPC 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>

### Other Courses:

- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II

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UNIVERSITY OF CENTRAL FLORIDA

71 Undergraduate Catalog 2013-2014
Undergraduate Degree Requirements

3. Requirement. Satisfaction of this requirement remains in effect if the student's major department to determine if courses meet the diversity

Transfer

WST 3015
WST 3561
SYP
SYD
SOW 3620
PUP
PLA 4472
MMC 4300
LIT 3192
LIN 4615
JST 3402
JST 3401
EDF
CPO 3034
COM 4461
COM 4014
CCJ 4670
ANT
AML 3682
AML 3615
AML 3283

1. Requirements" within each listing.

Several departments, colleges, and schools have additional

Placement in foreign language courses is based on one year of high

Placement in Language Courses

Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work.

For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See "Schools of Social Sciences and/or Departmental Requirements" within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

2. This is a University-wide requirement for all B.A. majors.

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (HPH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.

5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language

Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (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) College algebra or finite math
(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

(1) Six hours of English Composition and six hours of additional
(2) Specifically identified courses and college level writing

those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:

ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 1010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
WOH 2012 World Civilization I
WOH 2022 World Civilization II

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

AMH 1004H Honors U.S. History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3021 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women's Fiction
AML 3286 Early American Women's Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3652 Ethnic Literature in America
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/.

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; and
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 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://www.registrar.sdes.ucf.edu/commencement.

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.
Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext. 200; Email: learn@nervm.nerdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors
- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees
- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.

- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination
Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Undergraduate Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
ACADEMIC DEGREES, MAJORS AND MINORS

Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement.

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, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies

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.)

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, International and Global Studies, Human Communication, 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>
</tr>
</thead>
<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/National Certification Program in Nonprofit Management, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>

### College Awarding Minor

<table>
<thead>
<tr>
<th>College of Sciences</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Event Management, Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

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Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the [Graduate Catalog](http://www.graduate.ucf.edu/catalog/).
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: Nicole Gelfert
Director of Research and Civic Engagement: Kelly Astro
Director of Student Services: Madi Dogaru

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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 and complete an exit interview. 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:

- University Honors Upper-Division Program Requirements: 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, Information Technology, Economics (B.A.) and Interdisciplinary Studies majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete one Honors upper-division course or Interdisciplinary Seminar
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

- University Honors Upper-Division Program Requirements: College of Business Administration (Excluding Economics B.A. majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses
    - BUL 3130H Legal & Ethical Environment of Business
    - GEB 3356H Introduction to International Business
    - MAR 3023H Marketing
    - FIN 3403H Business Finance
    - MAN 3025H Management of Organizations
    - MAR 3203H Supply Chain Management
    - Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses. Consult with an Honors advisor to find out when these courses are being offered.
The Burnett Honors College

University Honors Upper-Division Program Requirements:
College of Engineering and Computer Science (excluding Computer Science and Information Technology majors)
1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division Engineering courses
   STA 3023H Probability and Statistics for Engineers
   EGN 3310H Engineering Analysis-Statics
   EGN 3321H Engineering Analysis-Dynamics
   EGN 3343H Thermodynamics
   EGN 4931H Engineering Research Seminar
   Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)
   Consult with an Honors advisor to find out when these courses are being offered.

University Honors Upper-Division Program Requirements:
Computer Science majors
1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division Computer Science courses
   COP 3223H C Programming
   COP 3502H Computer Science I
   COP 3503H Computer Science II
   COT 3100H Introduction to Discrete Structures
   ENC 3241H Writing for the Technical Professional
   Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)
   Consult with an Honors advisor to find out when these courses are being offered.

University Honors Upper-Division Program Requirements:
College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar
2. Complete two of the following Honors upper-division courses
   BSC 3403H Quantitative Biological Methods
   MCB 3523H Microbiology
   ZOO 3733H Human Anatomy
   PCB 3703H Human Physiology
   PCB 4524H Molecular Biology II
   ZOO 4704H Clinical Neuroanatomy
   Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)
   Consult with an Honors advisor to find out when these courses are being offered.

For more information about Honors requirements and advising, visit http://honors.ucf.edu

Acceptable Waivers
Please see The Burnett Honors College website at http://honors.ucf.edu/Students/Current_Students/Earning_Opportunities for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs.

Notes
- Students who are pursuing University Honors in two degrees must complete an additional Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.
- Honors in the Major (HIM) courses do NOT fulfill University Honors requirements. However, 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 or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be published through the University library. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://research.honors.ucf.edu/Honors_in_the_Major/

Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors can take EGN 4931H in lieu of Directed Readings and will write a thesis proposal as part of their coursework.

Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the project or thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major. This must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with Honors in the Major.

If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@ucf.edu.

Burnett Research Scholars
TBHC oversees the Burnett Research Scholars (BRS) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for research and creative work. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for research and creative work.

If you have any questions about BRS or the grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Fulbright, Goldwater, and Truman scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards, preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 102A.
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, 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. 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 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

Prelaw Advisor: Harry Coverston
PSY 220; 407-823-2573

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, 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

CAH Student Advising (CAHSA)

Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAH Student Advising (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 directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. 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, Caribbean and Latino/a Studies, and Middle Eastern. 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: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pellit; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: TBA; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617

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

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

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 Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program's interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: Africana Studies
American Studies: Program
Contact: Lynn Hepner  
CAH 190; 407-823-2251

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: Paul Giordano  
CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on China, India, Japan, and Korea. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Foreign Languages, History, Humanities, Philosophy, Political Science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: TBA  
VAB 117; 407-823-2676

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; 407-823-1159
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, Kessler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Telap, 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, 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, Head, Herlihy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solomon, 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, 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 creativity: literature, language, religion, philosophy, law, and social, political, and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university's curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies
Certificates: Judaic Studies

Latin American Studies: Program
Program Director: TBA  
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: Paul Giordano
CNH 523; 407-823-2472
Email: filcault@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: TBA
PSY 220: 407-823-2273
Email: philosophy2@ucf.edu
http://www.cah.ucf.edu/

Faculty: Cash, Coverston, Dacey, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mundale, Park, Rodgers, Schippert, Stanlick, Strawser, Walker; Professor Emeritus: Congdon, Fick

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, 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 (BA), Humanities - Philosophy, Religion and Popular Culture (BA)
Tracks: Regular and Honors
Minors: Cognitive Sciences; Humanities; Philosophy; Religion, and Popular Culture; 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, Gorramd, Guenzel, Hall, Henken, Hepner, Holic, Ives, Lauinder, Marinara, Martin, Martinez, McBride, Mohrenne, Owens, Pigg, Richardson, Ringfield, Rios, Rounsaville, Schell, Schutz, Scott, Stack, Taylor, Tripp, Walls, Wardle, Weaver, Wolcott, Wright, Zemlansky

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 and public writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and “Knights Write” Writing Across the Curriculum Program. The department celebrates student writing in Style, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA)
Tracks: None
Minors: Writing and Rhetoric, Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts
Director: TBA

Music:
Chair: Jeffrey Moore
PAC M203; 407-823-2879: Fax: 407-823-3378
Email: music@ucf.edu
http://www.music.cah.ucf.edu/


The Department of Music offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts degree in music; and a Bachelor of Music Education degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, 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:
Chair: Christopher Niess
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chucirel, Harris, Heil, Helsinger, Ingram, Lartnoox, Listengarten, McDonald, Niess, Perry, Routhier, Rusnock, Scott, Seay, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollakson, Weaver, Wood; Professor Emeritus: Smith

The Department of Theatre 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

Interim Director: Paul Lartonoix
VAB 117; 407-823-2676
Email: svadadvising@ucf.edu
http://svad.cah.ucf.edu/


Professor Emeritus: Frederick

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.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student’s Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

Degrees: Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

Tracks: Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

Minors: Art History, Digital Media, Film-Cinema Studies, Studio Art

Women’s Studies: Program

Program Director: M.C. Santanna
CNH 122; 407-823-6502
Email: womenst@ucf.edu
http://www.womensstudies.cah.ucf.edu/

Faculty: Preston-Sidler, Santanna, 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.oeas.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. Re-admission 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 2521 (formerly ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3461 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.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement
Undergraduate Student Services
Director: TBA
BA 210; 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 staff in BA 210 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/students/undergraduate/.

Programs and Degrees

<table>
<thead>
<tr>
<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>
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<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>
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</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 accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- 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
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.
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 twelve 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
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Elementary and English Language Arts Education majors graduate with an ESOL Endorsement
- 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 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 practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

Students must be aware: that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences.

Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and co-requisites (if applicable).

Application deadlines for all Internships are:
February 15 for Fall semester
September 15 for Spring semester

Internship I

Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I

Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance and who meet the following additional requirements at the time of application:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/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 deadlines listed above.
- Meet any special departmental or program requirements.
- Be recommended by the faculty of the department of the student’s major.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination and Professional Education Test before applying for 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 advisor. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.
- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam and Professional Education Test before applying for Internship II.
- 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 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 careers in teaching
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community involvement and commitment

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.

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or master’s degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Human Performance and Teacher Education.

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 standards for Professional Development Schools (PDSs).

Department of Child, Family, and Community Sciences
Chair: Jay R. Hoffman
ED 209-B; 407-823-1272
Faculty/Academic Administrator: Brenda Thompson
ED 206-E 407-823-6579

Faculty: Butler, Cintron, Conley, Cox, Daire, Dieker, Edwards, Ezell, Hagedorn, Hayes, Hines, Hundley, Jones, Lambie, Little, Lue-Stewart, Munyon, Pratt-Marrett, Marino, Martin, Owens, Reyes-Macpherson, Richardson, Robinson, Taub, Van Horn, Vasquez, Vitale, Whiteman, Wienke, Young

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: Edward “Mike” Robinson
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E 407-823-6579

Faculty: Butler, Cintron, Conley, Cox, Daire, Dieker, Edwards, Ezell, Hagedorn, Hayes, Hines, Hundley, Jones, Lambie, Little, Lue-Stewart, Munyon, Pratt-Marrett, Marino, Martin, Owens, Reyes-Macpherson, Richardson, Robinson, Taub, Van Horn, Vasquez, Vitale, Whiteman, Wienke, Young

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.

The Department of Educational and Human Sciences (EHS) primarily offers graduate 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
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, such as 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, who are primarily ages five through 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, in middle/junior high or high school. 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 and 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

Interim Dean: Michael Georgiopoulos
HEC 114; 407-823-2156
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly
ENG1 107; 407-823-2455

Associate Dean for Research and Administration:
Ranganathan Kumar; ENG2 202; 407-823-2156

Assistant Dean for Distributed and Distance Learning:
Alfred Ducharme; ENG1 289; 407-823-5765

Director, Academic Affairs: Kim A. Small
ENG1 107; 407-823-2455

Director, College Honors Programs: Charles Reilly
ENG1 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi
ENG1 281; 407-823-3466

Undergraduate Majors and Degrees

Aerospace Engineering
Civil Engineering
Computer Engineering
Computer Science
Construction Engineering
Electrical Engineering
Environmental Engineering
Industrial Engineering
Information Technology
Mechanical Engineering

BSEE
BS
BSAE
BSCE
BSPE
BSConE
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.

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of five engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

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 the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:
1. Have at least 60 credit hours, including all required and upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science
Engineering and computer science students may also participate in the LEAD (Leadership 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.ceecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see
Within the first several years following graduation, graduates should:

3. 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.

Educational Objectives
Within the first several years following graduation, graduates should:

Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.

Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program
The Environmental 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 Environmental Engineering graduate education and research.

Educational Objectives
Within the first several years following graduation, graduates should:

Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.

Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gasses.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.
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 prerequisite 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.

Educational Objectives

Within the first several years following graduation, graduates should:

- 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.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

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.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

Department of Electrical and Computer Science

Computer Science Division

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

Faculty: Abdallah, Bassioni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Eisler, Foroosh, Gomez, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Marinescu, Montagne, Nedorost, Oronji, Pattanaik, Shah, Stanley, Sukthankar, 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 computational bio-technology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed 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, software engineering and VLSI design tools and hardware algorithms.

UNIVERSITY OF CENTRAL FLORIDA
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 and 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.

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles 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. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes
1. All graduating CS majors, by the time of their graduation, shall be able to 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. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to 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. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to 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. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to 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. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.
12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
13. All graduating CS majors, by the time of their graduation, shall be able to 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 them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in 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. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

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.

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.

Program 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
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
8. Recognize the need for and an ability to engage in continuing professional development
9. Use current techniques, skills, and tools necessary for computing practice
10. Use and apply current technical concepts and practices in the core information technologies
11. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems
12. Integrate IT-based solutions effectively into the user environment
13. Understand best practices and standards and their application
14. Assist in the creation of an effective project plan
Electrical and Computer Engineering Division

Chair: Zhihua Qu
HEC 439C; 407-823-5942

Faculty: Abichar, Atia, Batarseh, Behal, Chan, DeMara, Elashhab, Fahim, Georgiopoulou, Gong, Haralambous, Jin, Jones, Lin, Liou, Loftifard, Malocha, Mikhail, Qu, Richie, Shen, Seyedi, Simaan, Suboh, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Educational Objectives

The objectives of the Cpe Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
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.

Program Outcomes

Graduates of the Computer 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.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/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.

Educational Objectives

The objectives of the EE Program at UCF are that:

1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate study, membership in professional societies, and participating in training opportunities.

Program 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.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering Program, as well as the Electrical Engineering Program, can be found on the home page at http://www.ece.ucf.edu/.

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.
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 systems 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 3354, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:
1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates who assume challenging or satisfying positions in the public or private sector.
2. To produce graduates who achieve professional growth through advanced studies and/or career development activities.
3. To produce industrial engineering professionals who recognize that engineering is a global service profession that must be practiced with integrity, honesty, and objectivity.

Program Outcomes:
1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary, global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
10. Students will explore options for professional growth, including graduate study, conference attendance, and professional participation.


Department of Materials Science and Engineering
Interim Chair: Kevin Coffey
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. A Bachelor of Science may be instituted in the near future. 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 fundamental 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” their 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 lifelong learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering
Chair: Suhada Jayasuriya
ENG1 307; 407-823-2416; Fax: 407-823-0208
The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is...
design to provide a broadly-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 thermal-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 missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.

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

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.

2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.

Mission: Mechanical Engineering
In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems or energy systems and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.

2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.

4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems or energy systems with an emphasis on design.

2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
College of Engineering and Computer Science

9. The ability to adapt to sociological and technological change.
10. 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 attributes to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. 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 and cannot be counted toward both degree programs.
- 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 4xxx: Machine Design II (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: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Experimental Structures (3hrs), EAS 4200: 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
Portable 501, Room 103; 407-823-1247, Fax: 407-823-2265
Faculty/Staff: Major Clark, Captain LaBreque, Captain Peloquin, TSgt. Stokes, SSgt. Sutton, and Mrs. McDade, 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. The program provides on-campus study during the freshman through senior years to earn an Air Force commission while completing their studies. Also available is the Cross-Town program allowing community college transfer students to begin the Air Force ROTC program while dual enrolled in a designated community college for academic classes and at UCF as a non-degree seeking student for Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students who are offered slots to enter the training program. The Air Force ROTC students earn a bachelor's degree in Aerospace Studies to obtain commissioning. 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 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
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- 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 may provide for full tuition and fees, and 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. This course includes junior officer training, officer career orientation, and physical conditioning, and training for operations from austere forward deployed locations.

Officer Commissioning
Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a mini-
mum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

**Army ROTC (Military Science)**

*Chair:* LTC Mario Johnson  
*Portable 501, Room 110; 407-823-2430; Fax: 407-823-5324*  
*http://army.ucf.edu*

*Faculty/Staff:* MAJ Manrique, CPT Anderson, SFC Reyes, SFC Martinez, SFC Flowers, Mr. Morales, Ms. Brown, Ms. Connor, Mr. Rivera, Ms. Acquaviva, 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 that students in SMP must receive a grade of C in academic work to meet 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](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 training 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 3120C, 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 that qualify 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 Leadership Development and Assessment Course at Fort Lewis, WA, 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 $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. **Scholarships**

   Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. **Placement Credit**

   Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. **Daytona Beach Campus Students**

   These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

**Summer Training Courses**

1. **Basic Course Summer Training (Leader Training Course)**

   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. **Specialized Summer Training Courses**

   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:

   - Airborne Training
   - Air Assault Training
   - Northern Warfare Training
   - Mountain Training
   - Airborne Training
   - Air Assault Training
   - Northern Warfare Training
   - Mountain Training

3. **Leadership Development and Assessment Course (LDAC)**

   All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: [http://oeas.ucf.edu/alc/alc_students_coecs.htm](http://oeas.ucf.edu/alc/alc_students_coecs.htm)
College of Health and Public Affairs
Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology:
Ross Wolf, HPA1 365; 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

Associate Dean: Dawn Oetjen
HPA1 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor’s Degree
Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement
Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

<table>
<thead>
<tr>
<th>Major</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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<tr>
<td>Healthcare Informatics</td>
<td>MS</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>BS, MS</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>BA, BS</td>
</tr>
<tr>
<td>Public Administration</td>
<td>BA, BS, MPA, MRA, MRS, MSURP</td>
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<td>Public Affairs</td>
<td>PhD</td>
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<td>Physical Therapy</td>
<td>DPT</td>
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<td>Social Work</td>
<td>BSW, MSW</td>
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College of Health and Public Affairs

Department of Communication Sciences and Disorders

Chair: Barbara Ehren
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis

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


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 seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathologists or audiologists.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communicative 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, Humiston, Jordan, Langworthy, Lucken, Mahan, Malendezvych, Matusiak, Moreto, Paoline, Potter, Randall, Reynolds, Rhyne, Rosky, Ross, Sanborn, Sarette, 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 which 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. 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


Department of Health Management and Informatics

Interim Chair: Reid Oetjen
HPA2 210, 407-823-2359

Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers, and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to 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 of the year in which admission is sought. 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).
The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training and a 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 are employed in an educational role one day per week and 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 an preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

**Degrees:** Athletic Training (BS)

**Tracks:** None

**Minors:** None

**Program in Health Sciences - Pre-Clinical Track**

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

**Degrees:** Health Sciences (BS)

**Tracks:** Pre-Clinical

**Minors:** Health Sciences

**Department of Legal Studies**

Chair: James Beckman

Faculty: Bast, Beckman, Brown, Cook, Cronon, Flagg, Fromang, Kirby, Koblasz, Meltzer, Milon, Pons, 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.

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

**Minor:** Legal Studies

**School of Public Administration**

Director: Mary Ann Feldheim

Faculty: Abel, Beatsch, Blessett, Bryer, Colby, Feldheim, Fisher, Hawkins, Hu, Jurie, Kapuccu, Knox, Korosec, Krick, Lawther, Littleton, Liou, Nor-ris-Tirrell, Rogers, Smith, Sun, Wang

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. 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 (MMN), 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, MMN, MRA, 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**

Interim Director: Sophia Dziegielewski

Faculty: Abel, Buckey, Burg, Gammonley, Hall, Hazlett-Knudsen, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Ramos, Rothenberg, Steen, Walsh, Withers

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 hospitals, 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 to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

**Degrees:** Social Work (BSW, MSW)

**Tracks:** None

**Minors:** Aging Studies

**Certificates:** Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oaeas.ucf.edu/alcalc_students_cohpa.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

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

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

Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy  
HPA2 335; 407-823-5932; Fax 407-823-3095

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 medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs. In addition to conducting cutting-edge research in biomedicine with potential application to curing major diseases, BSBS is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the Nanoscience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett school is educating over 2,700 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (also including the Biomedical Sciences Pre-professional concentration). 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 360 M.D. students.

In addition to 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.

### Programs and Degrees

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D., Minor</td>
</tr>
<tr>
<td>Biomedical Sciences (Pre-professional Concentration)</td>
<td>B.S.</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
</tr>
</tbody>
</table>

### College of Medicine Mission, Vision and Goals

**Mission**

The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

**Vision**

The University of Central Florida College of Medicine 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.
College of Medicine

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

Interim Director: Richard Peppler
COM 313J; 407-266-1101
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335; 407-823-5932; Fax 407-823-3095

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. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist applicants with preparation for admission to professional schools in health 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, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5932
Graduate Coordinator (M.S. program): Saleh Naser
BL 221; 407-823-0956
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. 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.)
Biomedical Sciences Preprofessional Concentration (B.S.)

Tracks: None
Minors: Biomedical Sciences

Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5932
Graduate Coordinator: Saleh Naser
BL 221; 407-823-0956
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 pro-

gram 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; 407-823-5932

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; 407-823-5932;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-5932;
Email: bcbsinfo@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.

Pre-Health Professions Advisement Office

Director: Genaro Lopez
HPA1 124; 407-823-2670

The Pre-Health Professions Advisement Office (PHPAO) (PHPAO) serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the "Academic Advising" section of this Undergraduate Catalog.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/alcollege/bcbs.htm


**College of Nursing**

**Dean:** Jean Leuner

**UTWR 3RD floor; 407-823-5496**

Email: ucfnurse@ucf.edu

http://www.nursing.ucf.edu

**Associate Dean Undergraduate Affairs:** Linda Hennig

**UTWR 3rd floor; 407-823-4941**

**Associate Dean Graduate Affairs Susan Chase**

**UTWR 3rd floor; 407-823-3079**

**Faculty:** Alfred, Andrews, Aroian, Blackwell, Burr, Bushy, Chase, Conner, Covelli, D’Amato-Kubiet, Decker, Desmarais, Dever, DiChiara, Draves, Forlaw, Gibson-Young, Gonzales, Heglund, Hennig, Howe, Hoyt, Ladores, LaManna, Landreville, Leli, Leuner, Loerzel, Lopp, Mayer, MacDonald, Morse, Neubauer, Norris, Quelly, Ricci, Ritten, Sole, Talbert, Waldrop, Wink

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 Coca 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.

**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/student_learning_outcomes.html

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) (DNH)

**Tracks:** RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

**Minors:** None

**Degrees:** Nursing (BSN), (MSN) (PhD) (DNH)

**Tracks:** RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

**Minors:** None

**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/student_learning_outcomes.html

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.

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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) (DNH)

**Tracks:** RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

**Minors:** None
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: David J. Hagan

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, Vodapanyov, Wu, Zeldovich

Undergraduate Degree

Photonic Science and Engineering B.S.P.S.E.

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include:

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 70 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.

Advisement

Since the Photonic Science and Engineering Bachelor's degree is jointly offered with CECS, advisement on general engineering requirements is available through the CECS Academic Affairs Office. Program Specific Advisement is available through the COP Associate Director, Academic Support Services. Contact the CREOL main reception.

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
The College of Sciences is 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 all programs in the sciences and the departments collectively offer 55 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](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, a student must 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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. 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 applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the pre-law advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

Advisement

College of Sciences, Academic Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://undergraduate.cos.ucf.edu/

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>
</tr>
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<td>Advertising-Public Relations</td>
<td>BA</td>
</tr>
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<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>
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<td>Behavioral Forensics</td>
<td>Undergraduate Certificate</td>
</tr>
<tr>
<td>Biology</td>
<td>BA, 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>
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<td>Communication</td>
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<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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<td>Crime Scene Investigation</td>
<td>Undergraduate Certificate</td>
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<td>Crime, Law, and Deviance</td>
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<td>Diplomacy</td>
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<td>Diversity &amp; Social Inequality</td>
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<td>European Studies</td>
<td>Minor</td>
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<td>Forensic Science</td>
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<td>Human Communication</td>
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<td>Industrial/Organizational Psychology</td>
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<td>International &amp; Global Studies</td>
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<td>Journalism</td>
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<td>Magazine Journalism</td>
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<td>Mass Communication</td>
<td>Minor</td>
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<td>Mass Culture &amp; Collective Behavior</td>
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<td>Mathematics</td>
<td>BS, Graduate Certificate, MS, PhD, Minor</td>
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<td>Maya Studies</td>
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<td>Medical Anthropology</td>
<td>Minor</td>
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<tr>
<td>Medical Sociology</td>
<td>Minor</td>
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<tr>
<td>Native American Studies</td>
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<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
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<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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<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<td>Radio-Television</td>
<td>BA</td>
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<td>SAS Data Mining</td>
<td>Graduate Certificate</td>
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<td>Security Studies</td>
<td>PhD</td>
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<td>Social Sciences</td>
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<td>Sociology</td>
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</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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</table>
Degrees: Anthropology (BA, MA) Minors: Anthropology (concentrations in general anthropology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies Certificates: Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

Department of Biology
Interim Chair: Laurie von Kalm
BL 301; 407-823-1333
Email: biology@ucf.edu
http://biology.cos.ucf.edu/
Associate Chair: Eric Hoffman
Undergraduate Coordinator: Frank Logiudice
Faculty: Crampton, Diercks, Donnelly, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, King, Klawden, Logiudice, Noss, Parkinson, Quintana-Ascencio, Song, Solero, Soula, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy, Professors Emeritus: Ehret, Ellis, Kuhn, Koenenig, Osborne, Snelsen, Stout, Sweet, Taylor
The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a sub-specialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD) Concentration: Biology Pre-professional (BS) Minors: Biology

Department of Chemistry
Chair: Kevin D. Belfield
PS 255; 407-823-2246
Email: chemstaff@ucf.edu
http://chemistry.cos.ucf.edu/
Associate Chair and Undergraduate Coordinator: Pedro Patino
Undergraduate Coordinator, Forensic Science: Gerald Mattson
Faculty: Ballantyne, Belfield, Blair, Campiglia, Chumbimuni-Torres, Clauwsen, Daoudi, Dixon, Elsheimer, Frazier, Harper, Hampton, Hernandez, Hickman, Igarashi, Kolpaschikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Rex, Richardson, Sigman, Ye, Yestrebsky, Yuan, Zou
The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science in minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS) Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS) Minors: Chemistry

Nicholson School of Communication
Director: Robert C. Chandler
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/
Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC) NSC 143; 407-823-2681;
Email: nassc@ucf.edu
The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Human Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-televisio, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS) Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS) Minors: Chemistry

Nicholson School of Communication
Director: Robert C. Chandler
NSC 240; 407-823-2683
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Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS) Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS) Minors: Chemistry

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4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-televisio, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.
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: Bolanlo-Delahoz, Brennan, Cannon, Capursi, Carlson, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Katsevich, Kaup, Lee, Li, Martin, Michalak, Mikusinski, Mohapatra, Moore, Muhs,ashed, Neval, Pensky, Plemnoms, 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
Graduate Coordinator: Elena Filitsiyan
PS 436; 407-823-2325

Faculty: Alcantara Orthigoza, Al-Rawi, Bhattacharya, Bindell, Bradley, Brit, Brueckner, Campins, Chen, Chermyak, Chow, Colwell, Cooney, Del Barco, Daoudi, Dubey, Ethimioniu, Fernandez, Filitsiyan, Gonzalez Garcia, Harrington, Heinrich, Hong, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Muccio, Palotai, Peale, Rahman, Roldan-Cuyna, Saha, Schulte, Stolbov, Tatulian, Turkowski, Vellissars, Zhao, Zhumskovsky; 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 that 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
HPH 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, Pals, Pritchard, Reckdenwald, Rivera, Sikorska-Simmons, Warren, 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 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, Mbahoudou-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.ceu.ucf.edu/alc/secions/compacts.html
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-Professional Advising, and the McNair and Research and Mentoring 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 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 computer 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
Director: TBA
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

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: Jessica Simmons, Marcelle Turner, 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-Professional Advising (OPPA)

Director: Bernard Mackey
FC 203; 407-823-3033
http://oppa.ucf.edu

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA 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, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA 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. OPPA’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program

Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://ramp.ucf.edu

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

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: Michael Georgiopoulos
HEC 358; 407-823-5338
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 Development Office

Director: Martha Marinara
CL1 206; 407-823-1342
http://if.ucf.edu

The Office of Information Fluency is dedicated to ensuring that students are information fluent upon graduation. By promoting and supporting a culture of information fluency and assisting academic faculty, library faculty, and professional staff, the Office fosters an environment in which students learn to navigate competently through an abundance of information choices, to evaluate the information, and to make ethical decisions concerning use of the information. The 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.oesar.ucf.edu/alc/alc_students_us.htm
The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. 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. 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.

It is the destination for over 55 million tourists each year, has 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 a result of being the most visited destination 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 ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area.

There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant & Foodservice 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 on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant 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
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 - 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
Humanities - Philosophy, Religion, & Popular Culture Track
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
Legal Studies
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
World Languages Education - French
World Languages Education - Spanish
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 prerequisite 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 the student's lack of progress 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 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Prefer MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Select one of the following sequences of courses:

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2323 Concepts of Calculus and
STA 2023 Statistical Methods I and 3 hrs

2 Students must have a “C” (2.0) or better in both MAC 2323 and STA 2023 to be waived from ECO 3401.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

2 Must be taken in 1st or 2nd semester.

Required courses for major: 24 hrs

AGC 3131 Intermediate Financial Accounting I 3 hrs
AGC 3141 Intermediate Financial Accounting II 3 hrs
AGC 3361 Cost Accounting I 3 hrs
AGC 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
AGC 4401C Accounting Information Systems 3 hrs
AGC 4451 Auditing 3 hrs
AGC 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 4 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 4 hrs
MAR 3203 Marketing 4 hrs

7. Foreign Language Requirements

Admissions
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None
UCF Degree Programs

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 either:
     Take all of the following sequences:
     - ACG 4903H Honors Directed Reading I or 3 hrs
     - ACG 4904H Honors Directed Reading II 3 hrs
     and
     - 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 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.
   - Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - may be substituted with:
   - ACG 2001 and ACG 2011

Plan of Study

Freshman Year - Fall
   - ENC 1101 Composition I 3 hrs
   - MAC 1105C College Algebra 3 hrs
   - Cull-Hist I* 3 hrs
   - Psy/Ant/Soc Science 3 hrs

Freshman Year - Spring
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - ENC 1102 Composition II 3 hrs
   - Cull-Hist II* 3 hrs
   - Art/Music/Lit Science 3 hrs

Sophomore Year - Fall
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs

Sophomore Year - Spring
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - MAR 3023 Marketing 4 hrs
   - POS 2041 American National Government 3 hrs

Junior Year - Fall
   - ACG 3131 Intermediate Financial Accounting I 3 hrs
   - ACG 3361 Cost Accounting I 3 hrs
   - BUL 3130 Legal and Ethical Environment of Business 4 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring
   - ACG 3141 Intermediate Financial Accounting II 3 hrs
   - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall
   - ACG 4401C Accounting Information Systems 3 hrs
   - FIN 3403C Business Finance 4 hrs
   - MAR 3203 Supply Chain and Operations Management 4 hrs
   - TAX 4001 Taxation of Business Entities and Transactions 3 hrs
   - Free Elective 3 hrs

Senior Year - Spring
   - 1 ACG 4651 Auditing 3 hrs
   - ACG 4803 Advanced Issues in Financial Accounting 3 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - MAN 4720 Strategic Management 4 hrs

1 ACG 4651

UNIVERSITY OF CENTRAL FLORIDA

118 Undergraduate Catalog 2013-2014
Advertising-Public Relations (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program):

  Complete the following: 6 hrs
  - ADV 3008 Principles of Advertising and 3 hrs
  - PUR 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Select either
     - 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: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Select one course from group B 2.

   C: Mathematical Foundations (6 hrs)
   - Math 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 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 3 hrs
   - May substitute a more advanced STA course.

   D: Social Foundations (6 hrs)
   - Economics 3 hrs
     - Required ECO 2013 Principles of Microeconomics or 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs

   Social Sciences 3 hrs
   - Required ANT 2000 General Anthropology or 3 hrs
   - Required PSY 2012 General Psychology or 3 hrs
   - Required 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 Microeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

Select either Speech course:
- SPC 1608 Fundamentals of Oral Communication or GEP
- 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:
- 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 GEP/CPP
  - ECO 2013 Principles of Macroeconomics GEP/CPP

Complete either speech class
  - SPC 1608 Fundamentals of Oral Communication or GEP/CPP
  - SPC 1603C Fundamentals of Technical Presentations GEP/CPP

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

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:

- ADV 4101 Advertising Copywriting 3 hrs
- MMC 3420 Media Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs

Internship: Select one 3 hrs
  - ADV 4941 Internship or 3 hrs
  - PUR 4941 Internship 3 hrs

5. Restricted Electives (12 hrs)

Select from the following after admission to the program:

- PUR 3004 Public Relations and Society 3 hrs
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4300 Advertising Media Planning 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4203 PR/Advertising Ethics and Law 3 hrs
- PUR 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 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

- None

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
Apply to program by Oct 1
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
Elective-take outside of NSC 3 hrs
Elective-take outside of NSC 3 hrs
Junior Year - Spring 15 hrs
If admitted, take the following:
PUR 3100 Writing for Public Relations 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: 307
http://www.mmae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Gravenhorst, Lynn.Gravenhorst@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 2311, 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 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 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.
   - 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 Fundamentals of Chemistry for Engineers 4 hrs
   CHM 2040 Chemistry Fundamentals I A and CHM 2041 Chemistry Fundamentals IB 3 hrs
   CHM 2045C Chemistry Fundamentals I 4 hrs
   or- Second alternative
   CHM 2045C Chemistry Fundamentals I 4 hrs
UFC Degree Programs

3. Core Requirements: Basic Level (2 hrs)
   • The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
   EGN 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (51 hrs)
   • These courses are a capstone experience to your senior year.
   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 3023  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
   EML 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)
   • These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   EAS 4300  Aerospace Career and Academic Faculty Advising I  3 hrs
   EAS 4991  Aerospace Career and Academic Faculty Advising II  3 hrs

6. Capstone Requirements (6 hrs)
   • CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   Select 1:  3 hrs
   EAS 4700C  Aerospace Design I or 3 hrs
   EGN 4412C  Interdisciplinary Design I  3 hrs
   Select 1:  3 hrs
   EAS 4710C  Aerospace Design II or 3 hrs
   EGN 4413C  Interdisciplinary Design II  3 hrs

7. Foreign Language Requirements
   • Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation  None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    • None

11. Departmental Exit Requirements
    • 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
    • A 2.0 UCF GPA
    • 60 semester hours earned after CLEP awarded
    • 48 semester hours of upper division credit completed
    • 30 of the last 39 hours of course work must be completed in residency at UCF.

• A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
• Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required  128

Honors In Major
• None

Related Programs
• Mechanical Engineering

Certificates
• None

Related Minors
• Intelligent Robotic Systems (IRS) - Interdisciplinary
• Engineering Leadership

Advising Notes
• Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
• The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
   EAS 3990  Aerospace Career and Academic Faculty  0 hrs
   EAS 4991  Aerospace Career and Academic Faculty  0 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.
• EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses
• None

Plan of Study (128 hrs)
• The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall  12 hrs
   EGN 1006C  Introduction to the Engineering Profession  1 hr
   ENC 1101  Composition I  3 hrs
   MAC 2311C  Calculus with Analytic Geometry I  4 hrs
   Select 1:  4 hrs
      • CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs
      • CHM 2045C  Chemistry Fundamentals I or 4 hrs
      • EAS 2050  Chemistry Fundamentals IA or 3 hrs
      • MAC 2281C  Introduction to Mechanics of Materials  3 hrs

Freshman Year - Spring  15 hrs
   EGN 1007C  Engineering Concepts and Methods  1 hr
   ENC 1102  Composition II  3 hrs
   MAC 2312  Calculus with Analytic Geometry II  4 hrs
   PHY 2048C  Physics for Engineers & Scientists I  4 hrs
   Select 1:  3 hrs
      • SPC 1603C  Fundamentals of Technical Presentations  3 hrs
      • SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Summer  10 hrs
   MAC 2313  Calculus with Analytic Geometry III  4 hrs
   EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   GEP  3 hrs
### Degree Programs

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 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)

### Math:
- 3 hrs

#### Suggested:
- MGF 1106 Finite Mathematics or
- MGF 1107 Explorations in Mathematics

#### You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### Statistics - Computers
- 3 hrs

#### Suggested:
- STA 2014C Principles of Statistics

### D: Social Foundations (6 hrs)
- 3 hrs

#### Required:
- ANT 2000 General Anthropology
- Select from GEP D.1 list

### E: Science Foundations (6 hrs)
- 3 hrs

#### Required:
- ANT 2511 The Human Species
- Select from GEP E.1 list

### 2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes.
- See "Common Prerequisites" in the Transfer and Transitions Services section.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)

### Program Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Anthropology (B.A.)

#### College of Sciences

#### Department of Anthropology,

Howard Philips Hall, Room: 309

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

Dr. John Schultz, jeschultz@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 and the Caribbean.

### Sophomore Year - Fall

<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 and Scientists II</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</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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<tbody>
<tr>
<td>EML 3217</td>
<td>Engineering Mechanics - Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3</td>
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### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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### Junior Year - Fall

<table>
<thead>
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<tbody>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Aerospace Engineering</td>
<td></td>
</tr>
<tr>
<td>EAS 3800C</td>
<td>Aerospace Engineering Measurements</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3991</td>
<td>Aerospace Career and Academic Faculty</td>
<td>0</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures</td>
<td>3</td>
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</table>

### Junior Year - Spring

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3810C</td>
<td>Design of Aerospace Experiments</td>
<td>3</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
<td>3</td>
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<td>GEP</td>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4134</td>
<td>High-Speed Aerodynamics</td>
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</tr>
<tr>
<td>EAS 4991</td>
<td>Aerospace Career and Academic Faculty</td>
<td>0</td>
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<tr>
<td></td>
<td>Advising I</td>
<td>3</td>
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<tr>
<td>Upper Division Elective</td>
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</tr>
<tr>
<td>Upper Division Elective</td>
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</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I or</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I</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>EAS 4300</td>
<td>Aerothermodynamics of Propulsion</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Systems</td>
<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4710C</td>
<td>Aerospace Design II or</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
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### Equipment Fees
- Part-Time Student: $45 per term
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### Anthropology (B.A.)

#### College of Sciences

#### Department of Anthropology,

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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 and the Caribbean.
### UCF Degree Programs

**Restricted Electives**

- Select additional Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511L</td>
<td>Physical Anthropology Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 3026</td>
<td>Mummies, Zombies, and Vampires: Anthropology of the Undead</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3943</td>
<td>Caribbean Archaeology Practicum</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Social Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3330</td>
<td>Cultural Ecology of Amazonia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3393</td>
<td>American Indian Literature and Culture in Florida</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**Additional Requirements**

- None

**Required Minors**

- None

**Departmental Exit Requirements**

- A grade of “C” (2.0) or better in all courses used for the major.

**University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 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**

- Related Sciences
- Sociology

**Certificates**

- None

**Related Minors**

- Africana Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- International and Global Studies
- Judaic Studies
- Latin American Area Studies
- Medical Anthropology
- Medical Sociology
- 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.

**Acceptorable Substitutes for Transfer Courses**

- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Freshman Year - Spring  
- 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  
- 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  
- ANT 2510 Language and Culture 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- GEP 3 hrs  
- Elective / Minor 3 hrs  

Junior Year - Fall  
- ANT 3145 Archaeology of Complex Societies 3 hrs  
- Restricted Elective 3 hrs  
- Foreign Language 4 hrs  
- Elective / Minor 2 hrs  
- Elective / Minor 3 hrs  

Junior Year - Spring  
- ANT 4034 History of Anthropological Thought 3 hrs  
- Restricted Elective 3 hrs  
- Foreign Language 4 hrs  
- Elective / Minor 3 hrs  
- Elective / Minor 3 hrs  

Senior Year - Fall  
- 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  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Free Elective 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.o eas.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.

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)  
- 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 Design program at UCF.

ARC 3180 Advanced Topics in Digital Architecture 3 hrs  
ARC 3220 Architectural Design 5 6 hrs  
ARC 3221 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 4322 Architectural Design 7 6 hrs  
ARC 4323 Architectural Design 8 6 hrs  
ARC 4620 Environmental Technology 2 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 (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
- 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
- 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 School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- “C-” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- 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.
UCF Degree Programs

BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Take all of the following:
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs
C: Mathematical Foundations (7 hrs)
Take all of the following:
- Required MAC 1105C College Algebra and 3 hrs
- Required COP 2500C Concepts in Computer Science 4 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels
See “Common Prerequisites” in the Transfer and Transitions Services section for more information

3. Core Requirements: Basic Level (18 hrs)
ARH 2500 History of Non-Western Art 3 hrs
ART 2023 Art as Interface 3 hrs
COP 2500C Concepts in Computer Science GEP
MAC 1105C College Algebra GEP
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

- Graphic Design - Restricted Electives - 21 hours
  Complete 21 hours of credits from the following areas: 21 hrs
courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

- Character Animation
  - All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando
  - Character Animation Core - 15 hours
    DIG 3951 Character Animation Portfolio Review 0 hrs
    ART 3643C Digital Effects & Compositing 3 hrs
    DIG 4325C Look Modeling Workshop 3 hrs
    DIG 4326C Geometrical Modeling Workshop 3 hrs
    FIL 3720C Introduction to Animation 3 hrs
    FIL 3734C Intermediate Animation 3 hrs

- Character Animation Basic Concentration - 24 hours
  DIG 3355C Artificial Environments and Effects 3 hrs
  DIG 3433C Visual Storytelling and Visual Development 3 hrs
  DIG 4206C New Imagery in Motion Workshop 3 hrs
  DIG 4359C Artificial Environments and Effects Workshop 3 hrs
  DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
  DIG 4434C Narrative Techniques in the Moving Image 3 hrs
  DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
  DIG 4486C Visual Language of Moving Image II 3 hrs

Experimental Animation 39 hrs
- Experimental Animation Core - 18 hours
  ART 3950 Portfolio Review 0 hrs
  ART 3643C Digital Effects & Compositing 3 hrs
  DIG 4325C Look Modeling Workshop 3 hrs
  DIG 4326C Geometrical Modeling Workshop 3 hrs
  FIL 3720C Introduction to Animation 3 hrs
  FIL 3734C Intermediate Animation 3 hrs
  ART 4935 BFA Exhibit/Seminar 3 hrs
  ART 4935 only offered in Spring semester.

- Experimental Animation Restricted Electives - 6 hours
  FIL 4725C Advanced Animation 3 hrs
  FIL 4770C Animation Workshop 3 hrs

- Experimental Animation Restricted Electives - 15 hours
  Complete 15 hours of credits from the following areas: 15 hrs
  Complete 15 hours of credits from the following areas: 15 hrs
  required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Met by graduation requirement
- Graduation
  - Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
  - Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None
- 10. Required Minors
- None

11. Departmental Exit Requirements
- 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

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 - 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
Margaret Zaho
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)
■ Required ARH 2500 History of Western Art I 3 hrs
■ Required ARH 2501 History of Western Art II 3 hrs
Select a course from group B.1 3 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

C: Mathematical Foundations (6 hrs)
Math:
■ Suggested MGF 1106 Finite Mathematics or 3 hrs
■ Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

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 4200 Medieval Art 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4871 Women in 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 4350 Baroque Art 3 hrs
ARH 4352 Italian Baroque Art 3 hrs
ARH 4653 Meso American Art 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.
### Plan of Study

**Freshman Year - Fall**  
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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**Freshman Year - Spring**  
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
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<td>ART 2500</td>
<td>History of Non-Western Art</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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**Sophomore Year - Fall**  
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<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimension</td>
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<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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<tr>
<td>ENC 3315</td>
<td>Argumentative Writing</td>
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<td>POS 2041</td>
<td>American National Government</td>
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**Sophomore Year - Spring**  
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<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
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<td>ANT 2000</td>
<td>General Anthropology</td>
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<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<td>SPN 1120C</td>
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**Junior Year - Fall**  
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<td>ARH 3720</td>
<td>History of Prints</td>
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<td>ARH 4130</td>
<td>Greek Art and Architecture</td>
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<td>ARH 4430</td>
<td>19th Century Art</td>
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<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
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<td>SPN 1121C</td>
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**Junior Year - Spring**  
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<td>ARH 3610</td>
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<td>ARH 4310</td>
<td>Italian Renaissance Art</td>
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<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
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<tr>
<td>ARH 4200</td>
<td>Medieval Art</td>
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<td>SPN 2200</td>
<td>Intermediate Spanish Language and Civilization I</td>
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**Senior Year - Fall**  
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<td>ARH 40XX</td>
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**Senior Year - Spring**  
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<tr>
<td>ARH 4150</td>
<td>Roman Art and Architecture</td>
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<tr>
<td>ARH 40XX</td>
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### 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: $31.50 per term
- Full-Time Student: $63 per term

### Admissions 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.

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

#### Admission Requirements

- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.

Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper 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.

Graduation Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

- **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 STA 1063C Basic Statistics Using Microsoft Excel
    - Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
  - **D: Social Foundations (6 hrs)**
  - **E: Science Foundations (6 hrs)**

- **2. Common Program Prerequisites (CPP) (18 hrs)**
  - ART 2050 History of Western Art I
  - ART 2051 History of Western Art II
  - ART 2201C Design Fundamentals-Two Dimensional
  - ART 2203C Design Fundamentals-Three Dimensional
  - ART 2300C Drawing Fundamentals I
  - ART 2301C Drawing Fundamentals II
  - GRA 2101C Introduction to Computer Art

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

- **4. Core Requirements: Advanced Level (6 hrs)**
  - ART 3950 Portfolio Review

- **5. Restricted Electives (42 hrs)**
  - **a. Specialization:**
    - Select six upper division courses from one area:
      - **Book Arts**
        - ART 3170C Book Binding or ART 3171C Materials for Artist Books or ART 3175C Advanced Issues in Contemporary Book Arts or ART 3176C The Illuminated Book or ART 3737C Narrative Sculpture or ART 4172C Book Repair and Restoration or ART 4173C The Artist Book or ART 4174C The Printed Book or ART 4177C Commercial Book Design and Publishing or ART 4644C Books Without Books
      - **Ceramics/Sculpture Combination**
        - ART 3761C Intermediate Ceramics or ART 3764C Ceramic Handbuilding I or ART 4783C Advanced Ceramics or ART 4786C Ceramic Raw Material or ART 3709C Intermediate Sculpture or ART 4710C Advanced Sculpture
      - **Drawing**
        - ART 3332C Intermediate Drawing or ART 4320C Advanced Drawing
        - **Drawing/Printmaking Combination**
          - ART 3332C Intermediate Drawing or ART 4320C Advanced Drawing or ART 3433C Screenprinting or ART 4402C Advanced Printmaking
      - **Drawing/Illustration Combination**
        - ART 3332C Intermediate Drawing or ART 4320C Advanced Drawing or GRA 3410C Intermediate Illustration I or GRA 4154C Advanced Illustration
      - **Painting**
        - ART 3504C Intermediate Painting or ART 4320C Advanced Painting
        - **Photography**
          - PGY 3410C Intermediate Photography or PGY 4420C Advanced Photography or PGY 4440C Special Problems in Photography

- **6. Electives in Art:**
  - 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**
  - None

- **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.)
- Maintain at least a "B" (3.0) GPA in all major requirements.
- Each senior is required to submit a portfolio of representative work in the student's specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1063C or GRA 2101C.

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 - History Track
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- 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
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications.

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Admission Requirements**
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math: Select a course from GEP C.2 list
   - Required courses:
     - ARH 2050  History of Western Art I
     - ARH 2051  History of Western Art II
     - Select a course from group B.1
     - Suggested courses:
       - MGF 1106  Finite Mathematics
       - MGF 1107  Explorations in Mathematics

2. Common Program Prerequisites (CPP) (18 hrs)
   - ARH 2050  History of Western Art I
   - ARH 2051  History of Western Art II
   - ART 2201C  Design Fundamentals-Two Dimensional
   - ART 2203C  Design Fundamentals-Three Dimensional
   - ART 2300C  Drawing Fundamentals I
   - ART 2301C  Drawing Fundamentals II
   - GRA 2101C  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)
10. Required Minors

9. Additional Requirements

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement.
   Graduation
   Proficiency equivalent to one year of college instruction in a
   single foreign language taught by the Department
   of Modern Languages and Literatures or Judaic Studies.
   Standardized examinations for foreign languages may be
   used to meet the requirement.

8. Electives
   Select primarily from upper level courses, with school
   advisor's approval. May be outside of the school. (A
   maximum of six hours of Independent Study, Directed
   Research, or Internship permitted.)

6. Capstone Requirements
   None
Junior Year - Spring 16 hrs
ART 3161 Mixed Media 3 hrs
ART 4320C Advanced Drawing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language at this level is accepted.

Senior Year - Fall 15 hrs
ARH 4350 Baroque Art 3 hrs
ART 4320C Advanced Drawing 3 hrs
PGY 3410C Intermediate Photography 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
ARH 4430 19th Century Art 3 hrs
GRA 4154C Advanced Illustration 3 hrs
PGY 4420C Advanced Photography 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.oesas.ucf.edu/alc/academic_learning-compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management
Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students.

To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
9 hrs
Suggested ARH 2050 History of Western Art I and
Suggested ARH 2051 History of Western Art II and
Select a course from group B.1

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

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
3 hrs
Preferred STA 1063C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 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
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   1 GRA 2101C Introduction to Computer Art 3 hrs
   ART 2XXX-4XXX Any ART prefix, studio, or media course

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
   1 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 3471 Art in the Last 25 Years 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 3800 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 3563 Information Management and Entrepreneurship or 3 hrs
DIG 3716C Media Business Practices or 3 hrs
DIG 4630C Digital Asset Management Systems or 3 hrs
FIL 4040 Animation Film History for Non Film Majors 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship
## UCF Degree Programs

### Business Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEB 3113</td>
<td>Creativity and Entrepreneurship</td>
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<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4</td>
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<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4</td>
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<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
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</table>

1. These courses may also be applied toward an 18 credit minor in
   Technical Entrepreneurship

### Arts Management Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIL 5612</td>
<td>Film and Internet Business</td>
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<tr>
<td>ARE 3944</td>
<td>Community Arts Practicum</td>
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<tr>
<td>ARE 4250</td>
<td>Methods in Art Administration</td>
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<tr>
<td>ARH 3520</td>
<td>Visual Arts Administration Vitas</td>
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<tr>
<td>FIL 4647</td>
<td>Film Production Management</td>
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</tr>
<tr>
<td>PGY 3480</td>
<td>Museum and Gallery Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

### Capstone Requirements

- DIG 4855 Converging Media Capstone 3 hrs

### Foreign Language Requirements

#### Admissions
- 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.

#### Graduation
- Standardized examinations for foreign languages may be used to meet the requirement.

### Electives

- Credit hours are variable
- 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, Practicum, or Internship permitted)

### Additional Requirements

- None

### Required Minors

- None

### Departmental Exit Requirements

- None

### 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 - History Track
- Art - Studio Art Track
- Art Education

### Certificates

- None

### Related Minors

- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

### Advising Notes

- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- [svadadvising@ucf.edu](mailto: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 supporting information.

### Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

### Plan of Study

#### Freshman Year - Fall

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<td>ENC 1101</td>
<td>Composition I</td>
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<td>1 HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td>2 MGF 1106</td>
<td>Finite Mathematics</td>
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<tr>
<td>ART 2823</td>
<td>Art as Interface</td>
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1. req #IB1-GEP
2. req #IC1-GEP

### Sophomore Year - Spring

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<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3</td>
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<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimension</td>
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### Sophomore Year - Fall

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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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<td>POS 2041</td>
<td>American National Government</td>
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<tr>
<td>ART 2203C</td>
<td>Drawing Fundamentals II</td>
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<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
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1. Select one:

### Sophomore Year - Spring

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<tr>
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<td>BSC 1005</td>
<td>Biological Principles</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<td>ART 2201C</td>
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<td>ARH 2050</td>
<td>History of Non-Western Art</td>
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<td>ART 3950</td>
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### Junior Year - Fall

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<tr>
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<td>Cornerstone: Professional Skills for Business</td>
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<td>Elementary Spanish Language and Civilization I</td>
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<tr>
<td>3 Supporting Elective</td>
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1. Select one:

### Junior Year - Spring

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1. Select one:

### Senior Year - Fall

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1. Select one:

### Senior Year - Spring

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<td>Elementary Spanish Language and Civilization II</td>
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<tr>
<td>2 Restricted Elective</td>
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</table>

1. Select one:

### Undergraduate Catalog 2013-2014

[134]
Senior Year - Spring  
1 Restricted Elective  
2 Restricted Elective  
2 Supporting Elective  
2 Supporting Elective  
DIG 4855  

C: Mathematical Foundations  
Prefer MGF 1106  Finite Mathematics  
Prefer STA 1063C  Basic Statistics Using Microsoft Excel or
Prefer STA 2014C  Principles of Statistics  
Select 1:  
Prefer STA 1063C  Basic Statistics Using Microsoft Excel or
Prefer STA 2014C  Principles of Statistics  

D: Social Foundations  
Prefer POS 2041  American National Government  
Prefer PSY 2012  General Psychology  

E: Science Foundations  
Prefer PSC 1121  Physical Science  

Select 1:  
Prefer ANT 2511  The Human Species or
Prefer BSC 1005  Biological Principles  

2. Common Program Prerequisites (CPP)  
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
EDF 2005  Introduction to the Teaching Profession  
1 EDF 2085  Introduction to Diversity for Educators  
EME 2040  Introduction to Technology for Educators  
ART 2300C  Drawing Fundamentals I  
ART 2201C  Design Fundamentals-Two Dimensional  
ART 2203C  Design Fundamentals-Three Dimensional  
ART 2301C  Drawing Fundamentals II  
ARN 2505  History of Western Art I  

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  
ARN 2505  History of Western Art I  
ARH 2501  History of Western Art II  
ART 2201C  Design Fundamentals-Two Dimensional  
ART 2203C  Design Fundamentals-Three Dimensional  
ART 2300C  Drawing Fundamentals I  
ART 2301C  Drawing Fundamentals II  
GRA 2101C  Introduction to Computer Art  
ART 2754C  Beginning Ceramics  
ART 2505C  Beginning Painting  
PGY 2401C  Beginning Photography  

4. Core Requirements: Advanced Level  
EDG 4410  Teaching Strategies and Classroom Management  
EDF 4467  Learning Theory and Assessment  
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  
TSL 4080  Theory and Practice of Teaching ESOL  
RED 4043  Content Reading in Kindergarten through Grade 12  

Internship I  
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 in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL
UCF Degree Programs

- 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/
- ARE 3940 Internship 3 hrs

**Specialization Requirements** 15 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4453 Studio Experiences in Art Education 3 hrs

5. Restricted Electives (9 hrs)
- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor's approval)

6. Capstone Requirements (12 hrs)
- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- 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.
- 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

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: 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.
- 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** 126
Senior Year - Fall 12 hrs
ARE 4351  Teaching Art in the Elementary School  3 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
ARE 3940  Internship  3 hrs
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)  3 hrs

Senior Year - Spring 12 hrs
ARE 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/aac/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $12 per term
Full-Time Student: $24 per term

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health & 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 traditional athletic training setting (high school, college, professional).

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

ATHLETIC TRAINING (B.S.)
## UCF Degree Programs

### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Section</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>38 hrs</td>
</tr>
</tbody>
</table>

**A: Communication Foundations**

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

**B: Cultural & Historical Foundations**

- **Required:** STA 2023 Statistical Methods I (3 hrs)
- **Required:** MAC 1114C College Trigonometry (3 hrs)

**C: Mathematical Foundations**

- **Required:** STA 2023 Statistical Methods I (3 hrs)

**D: Social Foundations**

- **Suggested:** POS 2041 American National Government (3 hrs)

**E: Science Foundations**

- **Required:** BSC 2010C Biology I (4 hrs)
- **Suggested:** CHM 2045C Chemistry Fundamentals I (4 hrs)

### 2. Common Program Prerequisites (CPP) (15 hrs)

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 2201 Fundamentals of Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Select 1:**

- One of the following courses must be taken as a prerequisite or co-requisite to core requirements:
  - PHY 2053C College Physics I or 4 hrs
  - PHY 2048C 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4014C Introduction to Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3102 Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3012C Clinical Skills for Athletic Trainers I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 3812L Practicum in Athletic Training I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3212C Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4315C Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 5822L Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4213C Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3013C Clinical Skills for Athletic Training II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 4313C Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4302C Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4512C Organization and Administration of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4832L Practicum in Athletic Training III</td>
<td>4 hrs</td>
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<tr>
<td>PET 4606 Applied Fitness in Sport</td>
<td>3 hrs</td>
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<tr>
<td>ATR 4842L Practicum in Athletic Training IV</td>
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<tr>
<td>ATR 4103 Case Studies in Sports Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4933 Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 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

### 11. Departmental Exit Requirements

- A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.

- Two years of successful clinical rotation under the direct supervision of an approved preceptor.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

### Certificates

- None

### Related Minors

- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

- Business
- Aging Studies
- Biology
- Coaching
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

### Advising Notes

- None

### Transfer Notes

- None
## Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

## Plan of Study

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>ENC 1101 Composition I</td>
<td>ATR 3212C Recognition and Evaluation of Athletic Injuries I</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>PSY 2012 General Psychology</td>
<td>Free Elective</td>
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<tr>
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<td>HSC 2000 Introduction to the Allied Health Professions</td>
<td>13</td>
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</tr>
<tr>
<td></td>
<td>MAC 1105C College Algebra</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>Free Elective</td>
<td></td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>HSC 2041 American National Government</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BSC 2010C Biology I</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAC 1114C College Trigonometry</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>HUN 2201 Fundamentals of Human Nutrition</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PCB 3703C Human Physiology</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>ENC 2101 Composition II</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>HSC 2200 Introduction to the Allied Health Professions</td>
<td>12</td>
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<tr>
<td></td>
<td>BSC 2010C Biology I</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>BSC 2011C Biology II</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>BSC 2011D Introduction to Pharmacology</td>
<td>Free Elective</td>
<td></td>
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<tr>
<td></td>
<td>ATR 4832L Practicum in Athletic Training IV</td>
<td>Free Elective</td>
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<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>CHM 2046L Chemistry Fundamentals I</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>ATR 4213C Recognition and Evaluation of Athletic Injuries II</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>BSC 2010C Biology I</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>ATR 4312C Therapeutic Exercise in Athletic Training</td>
<td>Free Elective</td>
<td></td>
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<td><strong>Senior Year - Spring</strong></td>
<td>ATR 4320C Therapeutic Modalities in Athletic Training</td>
<td>13</td>
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<tr>
<td></td>
<td>ATR 4512C Organization and Administration of Athletic Training</td>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PET 3510C Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ATR 4315C Advanced Rehabilitation in Athletic Training</td>
<td>Free Elective</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.oead.ucf.edu/alc/academic_learning_compacts.htm](http://www.oead.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees
- Part-Time Student: $19.50 per term
- Full-Time Student: $39 per term

## Biology (B.S.)

### College of Sciences

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

[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**Email:** biology@ucf.edu

Frank Logiudice

Phone: 407-823-2141

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**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.
- 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 2 hrs
  - Biology
- 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.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

### 1. UCF General Education Program (GEP)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.
UCF Degree Programs

Basic Core: Required, satisfies the CPP also required in the Basic Core;

Common Program Prerequisites section of this catalog are

3. Core Requirements: Basic Level (8 hrs)

- All courses specifically identified in the preceding

Common Program Prerequisites section of this catalog are also required in the Basic Core;

Basic Core: Required, satisfies the CPP

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Mathematics:

- Note: Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Test ~ http://chemplacement.sdes.ucf.edu

Prior to enrolling in Chemistry, take Chemistry Placement exam;

- For students with a strong chemistry background and a high Chemistry Placement score:

Required  MAC 2233  Concepts of Calculus or
Suggested MAC 2253 Applied Calculus or

Required  MAC 2311C Calculus with Analytic Geometry I

Statistics

Required  STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required  BSC 2010C Biology I

Note: a minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.

Select the sequence identified by the Chemistry Placement exam;

- Prior to enrolling in Chemistry, take Chemistry Placement Test- http://chemplacement.sdes.ucf.edu

- or: 9 hrs

- Students with little chemistry background should take this two semester equivalent instead.

Required  CHM 2040  Chemistry Fundamentals IA

- and

Required  CHM 2041  Chemistry Fundamentals IB

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 following courses.

Biology:

- Required  ENC 1101 Composition I
- Required  ENC 1102 Composition II
- Preferred  SPC 1603C Fundamentals of Technical Presentations

Math:

- Select one math course and this statistics course.

- 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.

- Suggested  MAC 2233 Concepts of Calculus or

- MAC 2311C Calculus with Analytic Geometry I

Physics:

- Complete one entire sequence

- or

Chemistry:

- Complete one entire sequence

- or

- and

Math:

- Students planning on entering professional or graduate school may wish to take additional Calculus courses.

Students are urged to consult their departmental advisor.

- MAC 2233 Concepts of Calculus or

- MAC 2253 Applied Calculus or

- MAC 2311C Calculus with Analytic Geometry I

Statistics

Required  STA 2023 Statistical Methods I

E: Science Foundations (8 hrs)

Required  BSC 2010C Biology I

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: 9 hrs

- Students with little chemistry background should take this two semester equivalent instead.

Required  CHM 2040  Chemistry Fundamentals IA

- and

Required  CHM 2041  Chemistry Fundamentals IB

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 following courses.

Biology:

- Required  ENC 1101 Composition I
- Required  ENC 1102 Composition II
- Preferred  SPC 1603C Fundamentals of Technical Presentations

Math:

- Select one math course and this statistics course.

- 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.

- Suggested  MAC 2233 Concepts of Calculus or

- MAC 2311C Calculus with Analytic Geometry I

Physics:

- Complete one entire sequence

- or

Chemistry:

- Complete one entire sequence

- or

- and

Math:

- Students planning on entering professional or graduate school may wish to take additional Calculus courses.

Students are urged to consult their departmental advisor.

- MAC 2233 Concepts of Calculus or

- MAC 2253 Applied Calculus or

- MAC 2311C Calculus with Analytic Geometry I

Statistics

Required  STA 2023 Statistical Methods I

E: Science Foundations (8 hrs)

Required  BSC 2010C Biology I

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: 9 hrs

- Students with little chemistry background should take this two semester equivalent instead.

Required  CHM 2040  Chemistry Fundamentals IA

- and

Required  CHM 2041  Chemistry Fundamentals IB

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 following courses.

Biology:

- Required  ENC 1101 Composition I
- Required  ENC 1102 Composition II
- Preferred  SPC 1603C Fundamentals of Technical Presentations

Math:

- Select one math course and this statistics course.

- 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.

- Suggested  MAC 2233 Concepts of Calculus or

- MAC 2311C Calculus with Analytic Geometry I

Physics:

- Complete one entire sequence

- or
UCF Degree Programs

- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function

3 hrs
Complete a minimum of one lecture course
from this group.

BCH 4053Biochemistry I or 3 hrs
BCH 4054Biochemistry II or 3 hrs
1 BOT 4223CPlant Anatomy or 4 hrs
1 BOT 4303CPlant Kingdom or 5 hrs
1 BOT 4503Plant Physiology or 3 hrs
2 PCB 3063LGenetics Laboratory or 1 hr
PCB 3233Immunology or 3 hrs
PCB 3703CHuman Physiology or 4 hrs
2 PCB 4514Genetics II or 3 hrs
PCB 4524Molecular Biology II or 3 hrs
2 PCB 4678Evolution and Medicine or 3 hrs
2 PCB 4683L Evolutionary Biology Lab or 1 hr
2 PCB 4684Population Genetics or 3 hrs
3 PCB 4723Animal Physiology or 4 hrs
2 PCB 5235Population Genetics or 3 hrs
2 ZOO 3713CComparative Vertebrate Anatomy or 5 hrs
ZOO 3733CHuman Anatomy or 4 hrs
5 ZOO 4003CEmbryology/Development or 5 hrs
ZOO 4753CVertebrate Histology or 4 hrs

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

Environmental

3 hrs
Complete a minimum of one lecture course
from this group.

1 BOT 3018C Culinary Botany Across the Cultures or 3 hrs
1 BOT 3152CLocal Flora or 3 hrs
1 BOT 3802Ethnobotany or 3 hrs
1 BOT 4850Medicinal Botany or 3 hrs
BSC 3052Conservation Biology or 3 hrs
BSC 3312Principles of Marine Biology or 3 hrs
2 BSC 4312CAdvanced Marine Biology or 4 hrs
2 BSC 4330Invasion Biology or 3 hrs
2 BSC 4621Biogeography or 4 hrs
BSC 4863L SL Sustainability: Socially & Economically Viable Environmental Protection or 3 hrs
2 BSC 5258LTropical Biology Research and Conservation or 1 hr
3 PCB 3343LPrinciples of Field Ecology or 5 hrs
PCB 3354 Tropical Ecology and Conservation or 3 hrs
2 PCB 3355LTropical Marine Biology or 2 hrs
2 PCB 3442Aquatic Ecology or 3 hrs
2 PCB 5453CMarine Ecology of Florida or 4 hrs
2 PCB 5485Models in Ecology or 3 hrs
4 PAZ 4234Zoo and Aquarium Management or 3 hrs
4 ZOO 4513Animal Behavior or 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.
3 variable credit 2-5 hrs
4 Fulfills Zoology requirement. Offered in Biology department.

Systematic

3 hrs
Complete a minimum of one lecture course
from this group.

ANT 3503CPrimateology or 3 hrs
BOT 4434C General Mycology or 4 hrs
2 BOT 4713CPlant Taxonomy or 5 hrs
2 ENV 4004CGeneral Entomology or 4 hrs
2 ENV 5005CEntomology or 4 hrs
MCB 3020CGeneral Microbiology or 5 hrs
2 ZOO 4205CBiology and Ecology of Metazoon
Invertebrates or 4 hrs
2 ZOO 4310CVertebrate Evolution & Ecology or 4 hrs
2 ZOO 4480Mammalogy or 4 hrs
2 ZOO 5456CIchthyology or 4 hrs
2 ZOO 5463CHerpetology or 4 hrs
2 ZOO 5475LField Ornithology or 3 hrs

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

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- 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.
UCF Degree Programs

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.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - 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 CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
- 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
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- Math Course, depending on placement score 4 hrs
- ENC 1101  Composition I  3 hrs

Freshman Year - Spring
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs

Sophomore Year - Fall
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 3044  Principles of Ecology  3 hrs

Sophomore Year - Spring
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- STA 2023  Statistical Methods I  3 hrs
- Restricted Elective  5 hrs
- GEP  3 hrs

Junior Year - Fall
- PHY 2053C  College Physics I  4 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- Restricted Elective  5 hrs
- Elective  3 hrs

Junior Year - Spring
- PHY 2054C  College Physics II  4 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- Elective  4 hrs

Senior Year - Fall
- PCB 4683  Evolutionary Biology  4 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- Elective  3 hrs

Senior Year - Spring
- Restricted Elective  4 hrs
- GEP  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

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

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

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.
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.

- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2053C College Physics I 4 hrs
- PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (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
- Prefer SPC 1093C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)

Mathematics:
- 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:
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 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.
- 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://chemplacement.sdes.ucf.edu/
- 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)

- 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:
- 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 4 hrs
  - BSC 2011C Biology II and GEP

Chemistry:
- Take Placement test before starting chemistry; http://chemplacement.sdes.ucf.edu
  - 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 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
  - STA 2023 Statistical Methods I and GEP

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

Basic Core: Required, satisfies the CPP

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/CPP
  - BSC 2011C Biology II and GEP/CPP

Chemistry:
- CHM 2045C Chemistry Fundamentals I GEP/CPP
- or:
  - CHM 2040 Chemistry Fundamentals IA and GEP/CPP
  - CHM 2041 Chemistry Fundamentals IB GEP/CPP
- and:
  - CHM 2046 Chemistry Fundamentals II and 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
  - STA 2023 Statistical Methods I and GEP

Physics:
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2049C Physics for Engineers and Scientists II or 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 3063 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.
UCF Degree Programs

- 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.

**Environmental**

**Complete a minimum of one lecture course 3 hrs from this group.**

- 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 4723 Animal Physiology or 4 hrs
- 2 ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- 2 ZOO 4603C Embryology/Development or 5 hrs
- ZOO 4753C Vertebrate Histology 4 hrs

1 Offered in Biology department.

**Systematic**

**Complete a minimum of one lecture course 3 hrs from this group.**

- ANT 3520C Primatology or 3 hrs
- MCB 3020C General Microbiology or 3 hrs
- 1 ZOO 4205C Biology and Ecology of Metazoan 5 hrs
- Invertebrates or 1 hr
- 1 ZOO 4310C Vertebrate Evolution & Ecology 4 hrs

1 Offered in Zoology 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**

- Spanish is highly recommended.

**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.
- 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, and must earn a passing score.

- 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**

- 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-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 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 X040C. 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 at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall**  
15 hrs  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4</td>
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<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
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Math course, depending on placement score 4 hrs

**Freshman Year - Spring**  
15 hrs  
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BSC 2011C Biology II</td>
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<td>CHM 2046 Chemistry Fundamentals II</td>
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<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1</td>
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</tbody>
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May be taken in a later term if seats are not available.  
Math course 4 hrs  
ENC 1102 Composition II 3 hrs

**Sophomore Year - Fall**  
16 hrs  
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<tr>
<th>Course</th>
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<tr>
<td>CHM 2210 Organic Chemistry I</td>
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<td>PCB 3044 Principles of Ecology</td>
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<td>MAC 2311C Calculus with Analytic Geometry I</td>
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<td>STA 2023 Statistical Methods I</td>
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<td>ENC 1102 Composition II</td>
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**Sophomore Year - Spring**  
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<tr>
<td>CHM 2211 Organic Chemistry II</td>
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<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2</td>
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</tbody>
</table>

May be taken in a later term if seats are not available.  
PCB 3063 Genetics 3 hrs  
MAC 2312 Calculus with Analytic Geometry II 4 hrs  
GEP 3 hrs

**Junior Year - Fall**  
16 hrs  
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<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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<td>PHY 2049C Physics for Engineers and Scientists II</td>
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<tr>
<td>PCB 4683 Evolutionary Biology</td>
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**Junior Year - Spring**  
14 hrs  
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<tr>
<td>PHY 2054C College Physics II</td>
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**Senior Year - Fall**  
15 hrs  
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<td>PHY 2049C Physics for Engineers and Scientists II</td>
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**Senior Year - Spring**  
14 hrs  
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<tr>
<td>Free Elective</td>
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<tr>
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<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
<td><a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>

**Biomedical Sciences (B.S.)**

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology,**

**Health & 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

**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.

1. **UCF General Education Program (GEP)**  
   1. UCF General Education Program (GEP)  
   2. Course must be taken in GEP for this major, bringing the total GEP hours to more than 36.

   **A: Communication Foundations**

<table>
<thead>
<tr>
<th>Required</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

   **Select 1:**

<table>
<thead>
<tr>
<th>Suggested</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2253 Applied Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

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

   **C: Mathematical Foundations**

   **Select 1:**

<table>
<thead>
<tr>
<th>Suggested</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>Suggested</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computers</td>
<td>3</td>
</tr>
</tbody>
</table>

   **D: Social Foundations**  
   6 hrs

   **E: Science Foundations**  
   8 hrs

   **Select 1:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Required</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4</td>
</tr>
</tbody>
</table>

   **2. Common Program Prerequisites (CPP)**  
   16 hrs

   **Select one of the following sequences of courses:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4</td>
</tr>
</tbody>
</table>

   1. See Transfer Notes for possible substitutions.

   **3. Core Requirements: Basic Level**  
   8 hrs

   **Math, Statistics, Computer**

   **Select 1:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I or</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2253 Applied Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

   **Select 1:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I or</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computers</td>
<td>3</td>
</tr>
</tbody>
</table>

Equipment Fees

- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term
4. Core Requirements: Advanced Level (25 hrs)

Life Sciences

MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

5. Restricted Electives

(7 courses minimum)

- Seven courses from the list below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and 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

1. BCH 4053 Biochemistry I 3 hrs

2. BCH 4103L Biochemical Methods 2 hrs

3. MCB 3203 Pathogenic Microbiology 3 hrs

4. MCB 4404 Bacterial Genetics and Physiology 3 hrs

5. MCB 4114C Determinative & Systemic Microbiology 4 hrs

6. MCB 4207 Infectious Processes 3 hrs

7. MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs

8. MCB 4276 Epidemiology of Infectious Diseases 3 hrs

9. MCB 4312 Molecular Biotechnology 3 hrs

10. MCB 4503C Virology 3 hrs

11. MCB 4603 Environmental Microbiology 3 hrs

12. MCB 4721C Methods in Biotechnology 4 hrs

13. MCB 5225 Molecular Biology of Disease 3 hrs

14. MCB 5654 Applied Microbiology 3 hrs

15. MCB 5932 Current Topics in Molecular Biology 3 hrs

16. MLS 3220C Techniques in Clinical Microscopy 3 hrs

17. MLS 3305 Hematology 3 hrs

18. MLS 4334 Hemositalis 3 hrs

19. MLS 4430C Clinical Parasitology 3 hrs

20. MLS 4505C Immunodiagnostics 3 hrs

21. MLS 4625 Advanced Clinical Chemistry I 3 hrs

22. MLS 4630 Advanced Clinical Chemistry II 3 hrs

23. PCB 3063 Genetics 3 hrs

24. PCB 3703C Human Physiology 4 hrs

25. PCB 4028 Molecular and Cellular Pharmacology 3 hrs

26. PCB 4174 Foundation of Bio-Imaging Science 3 hrs

27. PCB 4231Tissue Engineering 3 hrs

28. PCB 4514 Genetics II 3 hrs

29. PCB 4529 Experimental Molecular Biology 3 hrs

30. PCB 4805 Endocrinology 3 hrs

31. PCB 5238 Immunobiology 3 hrs

32. PCB 5236 Cancer Biology 3 hrs

33. PCB 5275 Signal Transduction Mechanics 3 hrs

34. ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

35. ZOO 3733C Human Anatomy 4 hrs

36. ZOO 3744 Neurobiology 3 hrs

37. ZOO 4603C Embryology/Development 5 hrs

38. ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs

39. ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs

40. ZOO 4753C Vertebrate Histology 4 hrs

41. ZOO 5745C Essentials of Neuroanatomy 4 hrs

42. MCB 3203L Pathogenic Microbiology Lab 1 hr

43. MCB 4970H Honors Undergraduate Thesis II 3 hrs

44. BOT 4434C General Mycology 4 hrs

45. MCB 3202 Principles of Infectious Disease 3 hrs

46. PCB 4234 Cancer Biology 3 hrs

47. ZOO 4747C Clinical Neuroscience 4 hrs

48. PCB 4264 Stem Cell Biology 3 hrs

1. Recommended for Preprofessional students
### UCF Degree Programs

**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**

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>4 hrs</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I or II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2253 Applied Calculus</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>EUH 2000 Western Civilization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2000 U.S. History: 1877-Present</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPS 1060C Introduction to Computers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2001 Western Civilization II or III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2001 U.S. History: 1877-Present or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2230 Humanistic Tradition II or III</td>
<td>3 hrs</td>
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<tr>
<td>WOH 2022 World Civilization II</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C College Physics I or II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 PHY 2048C Physics for Engineers &amp; Scientists 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>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

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**Biomedical Sciences - Preprofessional Concentration (B.S.)**

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health & 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 consult 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 HPA1 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)**
   - 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)**
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required CGS 1060C Introduction to Computers or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
Required BSC 2011C Biology I 4 hrs
Required CHEM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
SLS 211C Overview of Select Medical Careers 2 hrs
Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311C Calculus with Analytic Geometry I or GEP
MAC 2253 Applied Calculus GEP
Select 1: 3 hrs
STA 2023 Statistical Methods I or GEP
CGS 1060C Introduction to Computers GEP

Chemistry
Take all of the following: 8 hrs
CHM 2110 Organic Chemistry I and 3 hrs
CHM 2111 Organic Chemistry II and 3 hrs
CHM 2111L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)
Life Sciences: Advanced
MCB 3202 General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 courses minimum
Seven courses from below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and 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:

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
Variable

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
Independent study, directed research, or similar credit may not be used as a Restricted Elective.
Minimum of 20 hours must be taken at UCF in the department of the major.
Students will be required to 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 (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
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 4 hrs
- CHM 2041 4 hrs

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2011C Biology I 4 hrs
- MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

Select 1:
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- C&G 1060C Introduction to Computers 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- 1 MCB 2011C Biology II 4 hrs

Select 1:
- PHY 2053C College Physics I or 4 hrs
- 1 PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- Restricted Elective 2 hrs

Select 1:
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Senior Year - Spring
- MCB 4414 Microbial Metabolism 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.o eas.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 & Public Affairs II, Room: 335
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

1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
## 1. UCF General Education Program (GEP) (36 hrs)

### A: Communication Foundations
- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs
- Preferred: SPC 1603C Fundamentals of Technical Presentations

### B: Cultural & Historical Foundations (9 hrs)
- Select one of the following sequences of courses:
  - Physics
  - Chemistry

### C: Mathematical Foundations
- Required: STA 2023 Statistical Methods I 3 hrs

### D: Social Foundations (6 hrs)

### E: Science Foundations
- Required: CHM 2045C Chemistry Fundamentals I 4 hrs
- Required: BSC 2010C Biology I 4 hrs

### 2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (52 hrs)

#### Life Sciences
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- 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 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 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:
  - PHY 2053C College Physics I and
  - PHY 2054C College Physics II 4 hrs

#### Math
- Select one of the following sequences of courses:
  - MAC 2311C Calculus with Analytic Geometry I or
  - MAC 2253 Applied Calculus

### 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 the 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.

### 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
- 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 4970honors 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 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- AN1 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
- MAC 2211C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1000C Introduction to Computers 3 hrs
- Select 1: 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs
- Select 1: 4 hrs
- PHY 2053C College Physics I or 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Spring
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- BSC 2011C Biology II 4 hrs

Senior Year - Fall
- MCB 4720C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

- For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution):

Junior Year - Fall
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall
- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PCB 3522 Molecular Biology I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Elective 3000 level 3 hrs
UCF Degree Programs

Senior Year - Spring
- PCB 4524 Molecular Biology II (3 hrs)
- PCB 4280 Molecular Immunology (3 hrs)
- PCB 3233L Immunology Laboratory (1 hr)
- PCB 4529 Experimental Molecular Biology (3 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.o eas.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
Selena Forrest (Clermont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
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) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication (3 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     Required STA 2023 Statistical Methods I (3 hrs)
     Prefer MAC 1105C College Algebra (3 hrs)
   - D: Social Foundations (6 hrs)
     Select 1: (3 hrs)
     Suggested ECO 2023 Principles of Microeconomics (3 hrs)
     Suggested ECO 2013 Principles of Macroeconomics (3 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 Admissions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (32 hrs)
   First of subsequent semester in the College of Business Administration:
   - BUL 3130 Legal and Ethical Environment of Business (4 hrs)
   - ECO 3411 Quantitative Business Tools II (4 hrs)
   - FIN 3403C Business Finance (4 hrs)
   - GEB 3301 Cornerstone: Professional Skills for Business (3 hrs)
   - GEB 3301L Cornerstone Lab: Professional Skills for Business (1 hr)
   - GES 3375 Introduction to International Business (4 hrs)
   - MAN 3023 Management of Organizations (4 hrs)
   - MAR 3023 Marketing (4 hrs)
   - MAR 3023 Supply Chain and Operations Management (4 hrs)
   - Required in the 1st or 2nd semester
   - Must be taken with GEB 3301

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 (4 hrs)
     - GEB 3301 Cornerstone: Professional Skills for Business (3 hrs)
     - GEB 3301L Cornerstone Lab: Professional Skills for Business (1 hr)
     - MAN 3025 Management of Organizations (4 hrs)
     - MAR 3023 Marketing (4 hrs)
   - Required in 1st or 2nd semester
   - Must be taken with GEB 3301

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - 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 an BABA major. A student who is dropped may seek remittance as an BABA major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an 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
- None

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: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)

College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
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
- 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.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)

College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
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
- 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.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.
UCF Degree Programs

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 1603C Fundamentals of Technical Presentations 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 MAC 2311C Calculus with Analytic Geometry I 4 hrs
   Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
   Select either:
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

E: Science Foundations (6 hrs)
   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu

Select either:
   CHM 2045C Chemistry Fundamentals I 4 hrs
   - or 6 hrs
   CHM 2040 Chemistry Fundamentals IA and IB 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs

   - and complete all the following
   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 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 (4 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 6 hrs
   CHM 2040 Chemistry Fundamentals IA and IB CPP
   CHM 2041 Chemistry Fundamentals IB 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 and GEP/CPP

Core: Additional requirements
   BSC 2010C Biology I GEP
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - and either:
   STA 1063C Basic Statistics Using Microsoft Excel GEP
   STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)
   BCH 4053 Biochemistry I 3 hrs
   CHM 3120 Analytical Chemistry 3 hrs
   CHM 3120L Analytical Chemistry Laboratory 1 hr
   CHM 3215L Organic Laboratory Techniques II 2 hrs
   CHM 3410 Physical Chemistry I 4 hrs
   CHM 3411 Physical Chemistry II 3 hrs
   CHM 3411L Physical Chemistry Laboratory 2 hrs
   CHM 4510 Inorganic Chemistry 3 hrs
   CHM 4610L Inorganic Chemistry Laboratory 2 hrs
   CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
   CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
   CHM 4912 Directed Independent Research 4 hrs
   CHM 4930 Chemistry Seminar I 1 hr
   CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)
   Select from the following courses:
   BCH 4054 Biochemistry II 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
   CHM 5451C Techniques in Polymer Science 3 hrs
   CHM 5580 Advanced Physical Chemistry 3 hrs
   CHS 4615 Environmental Chemistry 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 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 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 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.
**UCF Degree Programs**

**Degree Requirements**

- **Sophomore Year - Fall**
  - 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 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 3 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.oaes.ucf.edu/acl/academic_learning_compacts.htm](http://www.oaes.ucf.edu/acl/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Chemistry - Biochemistry Track (B.S.)**

**College of Sciences**

**Department of Chemistry,**

**Physical Sciences Building, Room: 255**

[http://www.cos.ucf.edu/chemistry](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 course 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.

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**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 at: [http://chemplacement.sdes.ucf.edu/](http://chemplacement.sdes.ucf.edu/)
- Before registering for Math, you must take Math Placement Test at: [http://utc.sdes.ucf.edu](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**

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>CHM 2045C</td>
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<tr>
<td>MAC 2311C</td>
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<td>BSC 2010C</td>
<td>4 hrs</td>
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<td>ENC 1101</td>
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**Freshman Year - Spring**

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<td>1 hr</td>
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<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
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<tr>
<td>GEP</td>
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**Sophomore Year - Fall**

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<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

- 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.

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)

   C: Mathematical Foundations (7 hrs)

   Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

   E: Science Foundations (8 hrs)

   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

   Select either:
   
   CHM 2045C Chemistry Fundamentals I 4 hrs
   - or 6 hrs
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   - 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 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 4 hrs

   - or 6 hrs
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   - and 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 4 hrs
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

4. Core Requirements: Advanced Level (37 hrs)

   Select from the following:

   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BCH 4103L Biochemical Methods 2 hrs
   CHM 3411 Physical Chemistry I 4 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 3020C 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 I 3 hrs
   Additional upper level courses as approved by a departmental advisor

   One of the following may be used as a Restricted Elective:

   CHM 4220 Organic Chemistry III or 3 hrs
   CHM 5225 Advanced Organic Chemistry 3 hrs

   Additional physical, biological, and mathematical sciences courses.

   In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.

   These courses should be at least at the 3000 level.

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

   Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

   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.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biology
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- 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
- CHM 2046: Chemistry Fundamentals II 4 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- ENC 1101: Composition I 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

Junior Year - Fall
- 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 - Spring
- BCH 4053: Biochemistry I 3 hrs
- CHM 3215L: Organic Laboratory Techniques II 2 hrs
- PCB 3043: Molecular Cell Biology 3 hrs
- GEP 3 hrs

Senior Year - Fall
- CHM 4310: Physical Chemistry I 4 hrs
- CHM 4912: Directed Independent Research 1 hr
- CHM 4930: Chemistry Seminar I 1 hr
- CHM 4931: Chemistry Seminar II 1 hr
- CHM 4932: Directed Independent Research 2 hrs
- GEP 4 hrs

Senior Year - Spring
- CHM 4931: Chemistry Seminar II 1 hr
- CHM 4932: Directed Independent Research 3 hrs
- CHM 4933: 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.oeas.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

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 2311, 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.
UCF Degree Programs

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 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 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 class from Social Foundation Group 1 3 hrs
Select one class 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 Fundamentals of Chemistry for Engineers 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)
  EGN 1006C Introduction to the Engineering Profession 1 hr
  EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
  1. EGN 3310 Engineering Analysis-Statics 3 hrs
  1. EGN 3321 Engineering Analysis-Dynamics 3 hrs
  1. EGN 3331 Mechanics of Materials 3 hrs
  1. EGN 3343 Thermodynamics 3 hrs
  1. EGN 3613 Engineering Economic Analysis 2 hrs
  1. ENV 3001 Introduction to Environmental Engineering 3 hrs
  1. CCE 4003 Introduction to the Construction Industry 3 hrs
  1. STA 3032 Probability and Statistics for Engineers GEP
  1. CWR 3200 Engineering Fluid Mechanics 3 hrs
  1. CWR 4632C Water Resources Engineering I 4 hrs
  1. TTE 3810 Highway Engineering 3 hrs
  1. ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
  1. CES 4605 Steel Structures 3 hrs
  1. 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

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 website 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
  1. CEG Geotechnical Engineering Design or 3 hrs
    4801C
  1. CES 4743C Structural Design or 3 hrs
    4812C
  1. CWR Water Resources Design or 3 hrs
    4812C
  1. ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
    1. TTE 4601C Urban Systems Design 3 hrs

Select 3:
- 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. The exam is offered in April and October only.

- Required Minors
  - None

11. Departmental Exit Requirements
- None
## University of Central Florida Degree Programs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 128

### Honors In Major
- None

### Related Programs
- 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.

- EGN 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

#### Freshman Year - Fall
- **14 hrs**
  - ENC 1101 Composition I
  - GEP
  - MAC 2311C Calculus with Analytic Geometry I
  - EGN 1006C Introduction to the Engineering Profession

#### Freshman Year - Spring
- **14 hrs**
  - ENC 1102 Composition II
  - MAC 2312 Calculus with Analytic Geometry II
  - PHY 2048C Physics for Engineers & Scientists I
  - EGN 1007C Engineering Concepts and Methods
  - EGN 3613 Engineering Economic Analysis

#### Sophomore Year - Fall
- **14 hrs**
  - MAC 2313 Calculus with Analytic Geometry III
  - CHS 1440 Fundamentals of Chemistry for Engineers
  - EGN 3310 Engineering Analysis-Statics
  - GEP

#### Sophomore Year - Spring
- **16 hrs**
  - MAP 2302 Ordinary Differential Equations I
  - PHY 2049C Physics for Engineers and Scientists II
  - EGN 3321 Engineering Analysis-Dynamics
  - EGN 3331 Mechanics of Materials
  - GEP

#### Sophomore Year - Summer
- **9 hrs**
  - ENV 3001 Introduction to Environmental Engineering
  - STA 3032 Probability and Statistics for Engineers
  - GEP

#### Junior Year - Fall
- **17 hrs**
  - CWR 3201 Engineering Fluid Mechanics
  - CCE 4903 Introduction to the Construction Industry
  - CGN 3501C Civil Engineering Materials
  - CES 4100C Structural Analysis I and Lab
  - CGN 3700C Civil Engineering Measurements

#### Junior Year - Spring
- **17 hrs**
  - EGN 3343 Thermodynamics
  - GEP
  - CES 4702 Reinforced Concrete Structures
  - CEG 4011C Geotechnical Engineering I
  - CWR 4632C Water Resources Engineering I
  - TTE 3810 Highway Engineering

#### Senior Year - Fall
- **15 hrs**
  - CES 4605 Steel Structures
  - ENV 4531 Environmental Engineering Operations & Processes I

#### Discipline Depth
- **6 hrs**
  - CEG 4012 Geotechnical Engineering II or
  - CWR 4633C Water Resources Engineering II or
  - ENV 4561 Environmental Engineering Operations & Processes II or
  - TTE 4274 Transportation Engineering Systems

#### Design Elective
- **3 hrs**
  - CEG 4801C Geotechnical Engineering Design or
  - CES 4743C Structural Design or
  - CWR 4812C Water Resources Design or
  - ENV 4562C Environmental Engineering Water Design or
  - TTE 4601C Urban Systems Design

#### Senior Year - Spring
- **12 hrs**
  - GEP
  - EGN 3343 Thermodynamics
  - CGN 4808C CECE Capstone Design

#### Discipline Depth
- **3 hrs**
  - CEG 4012 Geotechnical Engineering II or
  - CWR 4633C Water Resources Engineering II or
  - TTE 4274 Transportation Engineering Systems or
  - ENV 4561 Environmental Engineering Operations & Processes II

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oead.ucf.edu/al/academic_learning_compacts.htm](http://www.oead.ucf.edu/al/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

159  Undergraduate Catalog 2013-2014
UCF Degree Programs

Communication Sciences and Disorders (B.A. / B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health & Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida College System or State University System.
■ Students should consult with a departmental advisor.
■ The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.
■ Students must earn at least a “C-” (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.
■ Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)

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

B: Cultural & Historical Foundations (9 hrs)
Select 1:
Suggested STA 2014C Principles of Statistics or
Suggested STA 2023 Statistical Methods I

C: Mathematical Foundations (6 hrs)
Select 1:
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics

D: Social Foundations (6 hrs)
Suggested PSY 2012 General Psychology

Select 1:
Suggested ECO 2013 Principles of Macroeconomics or
Suggested ECO 2023 Principles of Microeconomics or
Suggested POS 2041 American National Government

E: Science Foundations (6 hrs)
Required PHY, PSC, or CHM course listed in GEP E.1
Any BSC course listed in GEP E.2 or ANT 2511

2. Common Program Prerequisites (CPP)

STA 2014C Principles of Statistics GEP
BSC 1005 Biological Principles GEP
PSY 2012 General Psychology GEP
PHY, PSC or CHM GEP

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (56 hrs)

Core Requirements

DEP 2004C Developmental Psychology 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs

SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
LIN 3716 Language Development 3 hrs
LIN 3716L Language Development Lab 2 hrs
SPA 3011 Speech Science I Production 3 hrs
SPA 3011L Speech Production lab 1 hr
SPA 3104 Neural Bases of Communication 3 hrs
SPA 3123 Speech Science II: Perception 3 hrs
SPA 3123L Speech Perception Lab 1 hr
SPA 4476 Speech Disorders Across the Lifespan 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences
SPA 4400 Language Disorders Across the Life Span
LIN 3713 Language Science
SPA 4870C Capstone Course 3 hrs
SPA 4326 Hearing Disorders Across the Lifespan 3 hrs

Select 1:
EAB 3703C Principles of Behavior Modification or
EEX 4601 Introduction to Behavior Management or
ECC 4604 Classroom Management and Guidance for Young Children or
EDF 3303 Learning Environments and Guidance for Young Children or
SPA 4372 Guidance of Young Children with Communication Disorders or
EEX 3450 Communication Disorders or

Statistics Requirement (3 hrs)

Students have two options for completing this requirement:

Option 1: STA 2023 Statistical Methods I and GEP
STA 4163 Statistical Methods II 3 hrs

Option 2:

STA 2014C Principles of Statistics and
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

or

STA 2023 Statistical Methods I and GEP
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)

■ An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:
■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
■ Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements

SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements

Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

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
### UCF Degree Programs

**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

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**
- PHY, PSC, or CHM Course 3 hrs

**Select 1:**
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

**Sophomore Year - Fall**
- 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- Free Elective 3 hrs

**Select 1:**
- EUIH 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 - Spring**
- 13 hrs
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective

**Select 1:**
- EAB 3703C Principles of Behavior Modification or 4 hrs
- EDF 3303 Learning Environments and Guidance for Young Children 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

**Sophomore Year - Summer**
- 9 hrs
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective
- Free Elective 3 hrs

**Junior Year - Fall**
- 13 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- LIN 3713 Language Science 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Spring**
- 15 hrs
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
## UCF Degree Programs

**Senior Year - Fall** 12 hrs
- 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 - Spring** 12 hrs
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4870C Capstone Course 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Computer Engineering (B.S.P.E.)**

**Department of Electrical Engineering and Computer Science**

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346**

http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Charlese Hilton-Brown
Phone: 407-623-3327

**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 2311, 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)
   - Students must complete the GEP course requirements described in this catalog. The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
   - **EGN 1000C** Introduction to the Engineering Profession 1 hr
   - **EGN 1007C** Engineering Concepts and Methods 1 hr

2. **Common Program Prerequisites (CPP)** (19 hrs)
   - 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.

3. **Core Requirements: Basic Level** (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below.

4. **Core Requirements: Advanced Level** (57 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below.

5. **Restricted Electives** (9 hrs)
   - Technical electives are available in the BSCpE 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.

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**Equipment Fees**
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

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### Equipment Fees

Full-Time Student: $35 per term
Part-Time Student: $17.50 per term

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### Computer Engineering (B.S.P.E.)

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346**

http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Charlese Hilton-Brown
Phone: 407-623-3327

**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 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

**Degree Requirements**

- None

1. **UCF General Education Program (GEP)** (38 hrs)
   - Students must complete the GEP course requirements described in this catalog. The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
   - **EGN 1000C** Introduction to the Engineering Profession 1 hr
   - **EGN 1007C** Engineering Concepts and Methods 1 hr

2. **Common Program Prerequisites (CPP)** (19 hrs)
   - 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.

3. **Core Requirements: Basic Level** (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

4. **Core Requirements: Advanced Level** (57 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below, and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

5. **Restricted Electives** (9 hrs)
   - Technical electives are available in the BSCpE 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 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. 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.

9. Required Minors
   - None

10. 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
- 129

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 (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
   EGN 1006C  Introduction to the Engineering Profession  1 hr
   MAC 2311C  Calculus with Analytic Geometry I  4 hrs
   GEPI - Historical Foundation  3 hrs

Select 1  3 hrs
   1 SPC 1603C Fundamentals of Technical Presentations
   or SPC 1608 Fundamentals of Oral Communication  3 hrs

Select 1:  4 hrs
   CHS 1440 Fundamentals of Chemistry for Engineers
   or CHM 2045C Chemistry Fundamentals I  4 hrs

Freshman Year - Spring
   EGN 1007C  Engineering Concepts and Methods  1 hr
   ENC 1102 Composition II  3 hrs
   MAC 2312C Calculus with Analytic Geometry II  4 hrs
   PHY 2048C Physics for Engineers & Scientists I  4 hrs
   COT 3100C  Introduction to Discrete Structures  3 hrs

Sophomore Year - Fall
   PHY 2049C Physics for Engineers & 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
   GEPI - 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
   GEPI - Science Foundation  3 hrs

Sophomore Year - Summer
   EEL 3123C Networks and Systems  4 hrs
   EEL 3801C Computer Organization  3 hrs
   GEPI - Cultural Foundation  3 hrs

Junior Year - Fall
   COP 3530C 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

Select 1:  3 hrs
   EGN 3321 Engineering Analysis-Dynamics or
   EGN 3358 Thermo-Fluids-Heat Transfer  3 hrs

Junior Year - Spring
   COP 3503C Computer Science II  3 hrs
   EEL 4742C Embedded Systems  4 hrs
   COP 4331C Processes for Object-Oriented Software
   Development  3 hrs
   GEPI - Social Foundation  3 hrs

Senior Year - Fall
   EEL 4768 Computer Architecture  3 hrs
   EEL 4914 Senior Design I  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Select 1:  3 hrs
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics  3 hrs
UCF Degree Programs

Senior Year - Spring 12 hrs
COP 4600  Operating Systems  3 hrs
EEL 4915L Senior Design II  3 hrs
EEL 4781L 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Computer Science (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation 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 MAP 2302 Ordinary Differential Equations I  3 hrs

D: Social Foundations  (6 hrs)
Required PHY 2401C 4 hr course in Social Science  3 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 2223 Introduction to Programming with C  3 hrs
MAC 2311C Calculus with Analytic Geometry I  4 hrs
MAC 2312C 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

Select 2:  6 hrs
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
BSC 2010C Biology I or  4 hrs
BSC 2011C Biology II or  4 hrs
CHM 2045C Chemistry Fundamentals I or  4 hrs
CHM 2046 Chemistry Fundamentals II or  3 hrs
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.
- Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

COE 3230C Facilities Engineering I  3 hrs
EEL 4768 Computer Architecture  3 hrs
EEL 4781 Computer Communication Networks  3 hrs
EEL 4820 Programming Languages I  3 hrs
EEL 4820 Operating Systems  3 hrs
EEL 4934 Senior Design I  3 hrs
EEL 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 approved. 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
### UCF Degree Programs

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Computer Engineering
- Information Technology

**Certificates**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

#### Freshman Year - Fall
- **12 hrs**
  - ENC 1101: Composition I 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
- **13 hrs**
  - ENC 1102: Composition II 3 hrs
  - MAC 2311C: Calculus with Analytic Geometry I 4 hrs
  - COP 3502C: Computer Science I 3 hrs
  - CDA 3103: Computer Logic and Organization 3 hrs
  - COT 3960: CS Foundation Exam 0 hrs

#### Freshman Year - Summer
- **7 hrs**
  - MAC 2312: Calculus with Analytic Geometry II 4 hrs
  - COP 3330: Object Oriented Programming 3 hrs

#### Sophomore Year - Fall
- **14 hrs**
  - 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
- **14 hrs**
  - 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
- **6 hrs**
  - STA 2023: Statistical Methods I 3 hrs
  - GEP 3 hrs

#### Junior Year - Fall
- **14 hrs**
  - EEL 4768: Computer Architecture 3 hrs
  - COP 4020: Programming Languages I 3 hrs
  - BSC 2010C: Biology I 4 hrs
  - GEP 3 hrs

#### Junior Year - Spring
- **13 hrs**
  - COP 4600: Operating Systems 3 hrs
  - CHM 2045C: Chemistry Fundamentals I 4 hrs
  - Math/Stat Restricted Elective 3 hrs
  - CS Restricted Elective 3 hrs

#### Junior Year - Summer
- **3 hrs**
  - COP 4934: Senior Design I 3 hrs
  - Multicultural Elective 3 hrs

#### Senior Year - Fall
- **12 hrs**
  - CS Restricted Elective 3 hrs
  - GEP 3 hrs
  - Math/Stat Restricted Elective 3 hrs
  - COP 4935: Senior Design II 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oead.ucf.edu/aal/academic_learning_compacts.htm](http://www.oead.ucf.edu/aal/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](http://www.cece.ucf.edu)

Carol Ann Pohl, carolann.pohl@ucf.edu

Dr. Amr A. Olfou, 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
  - ENC 1102: Composition II 3 hrs
  - Suggested SPC 1603C: Fundamentals of Technical Presentations 3 hrs

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### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

### Advising Notes
- The Computer Science program offers the Accelerated program section in the back of this catalog for the BS and MS degrees. See your department or the program allows up to twelve hours to be shared between BS/MS Program to students of high academic standing. This 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

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**UNIVERSITY OF CENTRAL FLORIDA**

165 Undergraduate Catalog 2013-2014
UCF Degree Programs

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
Preferred 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 2049C Physics for Engineers and Scientists II 3 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHS 1440 Fundamentals of Chemistry for Engineers 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)
EGN 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
  - ENV 3001 Introduction to Environmental Engineering 3 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 4813 Mechanical and Electrical Systems for Buildings 4 hrs
  - CCE 4402 Construction Equipment and Productivity 3 hrs
  - CCE 4004 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

1 A “C” (2.0) or better is required in this course.

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 website 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 the exam date. The exam is offered in April and October only.
10. Required Minors
- None
11. Departmental Exit Requirements
- None
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 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 extra 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.
- EGN 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</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
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Freshman Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
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</tbody>
</table>

Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 1440 Fundamentals of Chemistry for Engineers</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331 Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENV 3001 Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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Sophomore Year - Summer
<table>
<thead>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>CCE 4003 Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 3201 Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C Structural Analysis I and Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEE 4034 Construction Estimating and Scheduling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4813 Mechanical and Electrical Systems for Buildings</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4004 Construction Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4402 Construction Equipment and Productivity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 3901C Civil Engineering Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 3700C Civil Engineering Measurements</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Concrete or Steel
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4605 Steel Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CES 4702 Reinforced Concrete Structures</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4810C Construction Design Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4632C Water Resources Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 4011C Geotechnical Engineering I or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>TTE 3810 Highway Engineering</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGN 4808C CECE Capstone Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take subsequent course to one selected in Fourth Year Fall</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4012 Geotechnical Engineering II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TTE 4274 Transportation Engineering Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeps.ucf.edu/al/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

Criminal Justice (B.A. / B.S.)

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)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)

Select 1:
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested CGS 1060C Introduction to Computers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested STA 1063C Basic Statistics Using</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)
- Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
- None
UCF Degree Programs

### 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

### 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 completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

### 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 15 hour supporting course requirement.

### Electives
- **None**

### Additional Requirements
- **None**

### Required Minors
- **None**

### 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.

### University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- **120**

### Honors In Major
- Interested students should consult with a faculty advisor.

### Related Programs
- Legal Studies

### Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management

### Related Minors
- Legal Studies
- Public Administration
- Psychology

### Advising Notes
- **None**

### Transfer Notes
- “D” (1.0) grades are not accepted.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study

#### Freshman Year - Fall 14 hrs
- **ENC 1101** Composition I 3 hrs
- **PAF 2102** Public Affairs Careers 2 hrs
- **Select 1:** 3 hrs

#### Freshman Year - Spring 15 hrs
- **MGF 1106** Finite Mathematics or 3 hrs
- **MAC 2233C** Calculus I 3 hrs

#### Sophomore Year - Fall 15 hrs
- **Select 1:** 3 hrs

#### Sophomore Year - Spring 15 hrs
- **Select 1:** 3 hrs

#### Sophomore Year - Winter 15 hrs
- **Select 1:** 3 hrs

#### Sophomore Year - Summer 15 hrs
- **Select 1:** 3 hrs

#### Senior Year - Fall 15 hrs
- **Select 1:** 3 hrs

#### Senior Year - Spring 15 hrs
- **Select 1:** 3 hrs

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**Undergraduate Catalog 2013-2014**
### Criminal Justice Scholar’s Track (B.A. / B.S.)

#### College of Health and Public Affairs

**Department of Criminal Justice, Health & Public Affairs 1, Room 311**


**Email:** cjadvise@ucf.edu

Mary Ann Eastep, UG Program Coordinator

Phone: 407-823-2603

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### 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td></td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td></td>
</tr>
<tr>
<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1**

<table>
<thead>
<tr>
<th>3 hrs</th>
</tr>
</thead>
</table>

#### 2. Core Requirements: Basic Level

- None

#### 3. Core Requirements: Advanced Level

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

#### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>CCJ 3014 Crime in America</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3010 Corrections and Penology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ 3510 Prosecution and Adjudication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014 Police and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4701 Research Methods in Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4746 Data Analysis for Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Scholar’s Seminar**

- 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

#### 5. Restricted Electives

- 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 completing a minor from another program approved by the department with a minimum of 15 semester credit hours.

#### 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 15 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.
UCF Degree Programs

Select 1: 3 hrs
Sophomore Year - Fall 15 hrs
BSC 1005 Biological Principles or 3 hrs
MBB 1101 Introduction to Biotechnology and Genetic 3 hrs
Engineering or
MCB 1101 Introduction to Biotechnology and Genetic 3 hrs
Engineering or
GLY 1030 Geology and its Applications or 3 hrs
PSC 1112 Physical Science or 3 hrs
ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
Sophomore Year - Spring 15 hrs
CCJ 3024 Criminal Justice System 3 hrs
CCJ 3014 Crime in America 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 1 hr
Supporting Elective 3 hrs
CJ Elective 3 hrs

Junior Year - Spring 15 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 1 hr
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
CCJ 4934 Emergent Criminal Justice Issues 1 hr
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
Supporting Elective 3 hrs
Restricted 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 1 hr
Restricted 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

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.
UCF Degree Programs

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)
- 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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required COP 2500C Concepts in Computer Science 4 hrs
- Required MAC 1105C College Algebra 3 hrs

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
- Required DIG 2000 Introduction to Digital Media 3 hrs
- Required DIG 2030C Digital Video Fundamentals 3 hrs
- Required DIG 2109C Digital Imaging Fundamentals 3 hrs
- Required DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
- Required DIG 3024 Digital Cultures & Narrative 3 hrs
- Required DIG 3480C Computer as a Medium 3 hrs
- Required DIG 3525 Digital Media Production I 3 hrs
- Required 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)
- Required DIG 3223 Introduction to Programming with C and 3 hrs
- Required DIG 3330 Object Oriented Programming and 3 hrs
- Required DIG 4630C Media Business Practices and 3 hrs
- Required DIG 4713 Game Design and 3 hrs
- Required DIG 4715C Game Production and 3 hrs
- Required DIG 4720C Casual Game Production and 3 hrs
- Required FIL 3720C Introduction to Animation and 3 hrs
- Required 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, 12 hrs
  - ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school.
  - DIG 4725C Game Design Workshop 6 hrs

Web Design (42 hrs)

Web Design: Basic Concentration (24 hrs)
- Required DIG 3134 Media Software Design and 3 hrs
- Required DIG 3563 Information Management and 3 hrs
- Required DIG 3716C Internet Interaction and 3 hrs
- Required DIG 3811 User-Centered Design and 3 hrs
- Required DIG 4503 Rapid Application Web Development and 3 hrs
- Required DIG 4530C Media for e-Commerce and 3 hrs
- Required DIG 4630C Media Business Practices and 3 hrs
- Required GRA 3803C Intermediate Computer Graphic Design 3 hrs

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, 12 hrs
  - ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.
  - DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives

6. Capstone Requirements

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

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

- 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
UCF Degree Programs

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Grades less than ‘C’ (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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

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/
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.

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 staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing 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 is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - 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
     Select 1: 3 hrs
     Prefer REL 2300 World Religions or 3 hrs
     Prefer PHI 2101 Introduction to Philosophy or 3 hrs
     Prefer LIT 2110 World Literature I or 3 hrs
     Prefer LIT 2120 World Literature II or 3 hrs
     General Education Program elective from section B1 or 3 hrs
     General Education Program elective: Prefer a second course from GEP section B1 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Select 1: 3 hrs
     Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     Prefer STA 2014C Principles of Statistics 3 hrs
     Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     Prefer STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
     Select 1: 3 hrs
     Prefer POS 2041 American National Government 3 hrs
     Prefer PSY 2012 General Psychology 3 hrs
     Prefer POS 2041 American National Government 3 hrs
   - E: Science Foundations (6 hrs)
     Select 1: 3 hrs
     Prefer BSC 1005 Biological Principles 3 hrs
     Prefer BSC 1005 Biological Principles 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  

Other Program Prerequisites  

-  EDF 2130  Child and Adolescent Development for Educators  
-  EEC 2732  Health, Safety, and Nutrition for Young Children  

Select 1:  

-  MAC 1105C  College Algebra or  
-  MAE 2801  Elementary School Mathematics  

Select 1:  

-  ARE 2000  Early Childhood Art and Creativity or  
-  MUE 2211  Early Childhood Music and Movement  
-  Elective  

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  
-  EEC 4661  Early Childhood Education Theory and Practice  
-  RED 3310  Early Reading, Writing and Language Arts  
-  EEX 4235C  Early Childhood Education Seminar: Bridging Theory to Practice  

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 4943  Student Teaching  

Summer  

-  6 hrs  
-  Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.  
-  EEC 4303  Planning Creative Activities in Early Childhood Education  
-  RED 3012  Basic Foundations of Reading  

Semester III  

-  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.  
-  MAE 4300  Math Curriculum and Assessment in Early Childhood  
-  SCE 4304  Teaching Science and Technology to Young Children  
-  RED 4311  Primary Reading, Writing, and Language Arts Curriculum and Assessment  
-  EEC 4235C  Early Childhood Education Seminar: Bridging Theory to Practice

5. Restricted Electives  

- None

6. Capstone Requirements  

- None

7. Foreign Language Requirements  

Admissions  

- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation  

- None

8. Electives  

- None

9. Additional Requirements  

- None

10. Required Minors  

- None

11. Departmental Exit Requirements  

- Achieve a minimum overall 2.75 GPA in all courses within the major.  
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.  
- Complete a TESOL notebook as required for ESOL Endorsement.  
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.

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
UCF Degree Programs

Plan of Study

- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

**Freshman Year - Fall** 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring** 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - PHI 2110 Introduction to Philosophy or 3 hrs
  - LIT 2110 World Literature I or 3 hrs
  - LIT 2120 World Literature II 3 hrs

**Freshman Year - Summer** 6 hrs
- POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
  - ARE 2000 Early Childhood Art and Creativity or 3 hrs
  - MUE 2211 Early Childhood Music and Movement 3 hrs

**Sophomore Year - Fall** 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Select 1: 3 hrs
  - BSC 1005 Biological Principles or 3 hrs
  - ANT 2511 The Human Species 3 hrs

**Sophomore Year - Spring** 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- GEP B1 Elective (Prefer AMH 2010) 3 hrs
- Select 1: 3 hrs
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GEP B3 Elective (Prefer AMH 2020) 3 hrs
  - Elective 3 hrs
- Select 2: 3 hrs
  - REL 2300 World Religions or 3 hrs
  - PHI 2110 Introduction to Philosophy or 3 hrs

**Sophomore Year - Fall** 12 hrs

**Junior Year - Fall** 12 hrs
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

**Senior Year - Fall** 12 hrs
- EEC 4943 Student Teaching 12 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm

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, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, 122L, Judy.levin@ucf.edu, 407-823-4615
Phone: 407-823-4615

EARY 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.

**Junior Year - Spring** 15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- Select 2: 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs

**Junior Year - Summer** 6 hrs
- 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).
- EEC 4943 Planning Creative Activities in Early Childhood Education 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

**Senior Year - Fall** 12 hrs
- EEC 4943 Student Teaching 12 hrs

**Senior Year - Spring** 12 hrs
### UCF Degree Programs

**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
  - ENC 1102 Composition II 3 hrs
- **Preferred**
  - SPC 1603 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2:
  - **Preferred**
    - 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
    - General Education Program elective from section B1 to meet Gordon Rule Requirement.
  - General Education Program elective: Prefer a second course from GEP section B1.

#### C: Mathematical Foundations (6 hrs)
- **Select 1:**
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs
- **Select 1:**
  - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - STA 2014C Principles of Statistics 3 hrs

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

#### E: Science Foundations (6 hrs)
- **Preferred**
  - PSC 1121 Physical Science 3 hrs
- **Select 1:**
  - ANT 2511 The Human Species or 3 hrs
  - BSC 1005 Biological Principles 3 hrs

**2. Common Program Prerequisites (CPP)** (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- **Select 1:**
  - EDF 2005 Introduction to Diversity for Educators 3 hrs
  - DEP 2004C Developmental Psychology 3 hrs

**3. Core Requirements: Basic Level** (15 hrs)
- **Preferred**
  - MUE 2211 Early Childhood Music and Movement 3 hrs
  - ARE 2000 Early Childhood Art and Creativity 3 hrs
  - SYG 2010 Social Problems 3 hrs
  - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- **Select 1:**
  - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
  - SOW 3104 Assessing I: Human Development 3 hrs

**4. Core Requirements: Advanced Level** (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

**Semester I** (15 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- LIN 3713 Language Science 3 hrs

**Semester II** (15 hrs)
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs

**Semester III** (6 hrs)
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

**Semester IV** (12 hrs)
- PET 4050C Motor Development and Learning 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs

**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 Education 3 hrs
  - EEC 4524 Organizing and Management in Early Childhood Education 3 hrs
  - EXP 3604C Cognitive Psychology or 4 hrs
  - PEO 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 ESOL or 3 hrs
  - SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
  - SOW 4654 Children’s Services or 3 hrs
  - EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
  - SOW 3104 Assessing I: Human Development 3 hrs

**Semester V** (12 hrs)
- EEC 4940 Practicum: Early Childhood Development 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a 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.
## UCF Degree Programs

### 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 met this requirement.
- Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for elective selection.
- Students interested in Child Life Specialist Certification: Select SOW 3104 - Assessing Infants: 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
- **12 hrs**
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - PSY 2012 General Psychology 3 hrs

### Freshman Year - Spring
- **15 hrs**
  - ENC 1102 Composition II 3 hrs
  - SYG 2010 Social Problems 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - EEC 2702 Health, Safety, and Nutrition for Young Children 3 hrs
  - Select 1: 3 hrs
    - REL 2300 World Religions or PHI 2101 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

### Freshman Year - Summer
- **6 hrs**
  - ARE 2000 Early Childhood Art and Creativity 3 hrs
  - MUE 2211 Early Childhood Music and Movement 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - Select 1: 3 hrs
    - BSC 1005 Biological Principles or ANT 2511 The Human Species 3 hrs
  - Select 1: 3 hrs
    - STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
    - GEP B1 elective ( Prefer AMH 2010) 3 hrs
    - Select Elective if needed 3 hrs

### Sophomore Year - Spring
- **12 hrs**
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - DEP 2004C Developmental Psychology 3 hrs
  - POS 2041 American National Government 3 hrs
  - GEP B3 Elective ( Prefer AMH 2020) 3 hrs

### Junior Year - Fall
- **15 hrs**
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts 3 hrs
  - EEX 4751 Parent Involvement in Education 3 hrs
  - LIN 3713 Language Science 3 hrs

### Junior Year - Spring
- **15 hrs**
  - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  - EEC 3613 Observation and Assessment of Young Children 3 hrs
  - LAE 3314 Literature for Children 3 hrs
  - EEC 4402 Cultural and Family Systems 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs

### Junior Year - Summer
- **6 hrs**
  - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
  - EEC 4528 Infant/Toddler Care and Education 3 hrs

### Senior Year - Fall
- **12 hrs**
  - PET 4050C Motor Development and Learning 3 hrs
  - EEC 4414 Parent-Child Relations 3 hrs
  - Select Two Early Childhood Development Track Electives 6 hrs

### Senior Year - Spring
- **12 hrs**
  - EEC 4940 Practicum: Early Childhood Development 12 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

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### Early Childhood Development and Education Track

**3: Early Childhood Careers (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning and Leadership**

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

**TRACK 3: EARLY CHILDHOOD CAREERS** is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. **NOTE:** The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

### Admission Requirements
- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.
Degree Requirements

- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

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
- 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 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
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics 3 hrs
- Select 1: 3 hrs
- 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 PSY 2012 General Psychology 3 hrs
- Prefer POS 2041 American National Government 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)
- None

3. Core Requirements: Basic Level (18 hrs)
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2004 Social Problems 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- 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.

- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- EEC 3008 Early Childhood Children’s Literature 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4211 Science and Math Learning for Young Children 3 hrs
- EEC 4260 Early Childhood Program Evaluation 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs
- EEC 4942 Practicum: Early Childhood Careers 9 hrs

Practicum Requirement Note: Students may have the option to substitute coursework for some portion of the Practicum requirement. The substitution(s) must be approved by the student’s Early Childhood Development and Education B.S. - Track 3: Early Childhood Careers Faculty Advisor.

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
- None

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

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.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
2. Communication Foundations (9 hrs)
3. Cultural & Historical Foundations (9 hrs)
4. Social Foundations (6 hrs)

Plan of Study (60 hrs)

Junior Year - Fall
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4211 Science and Math Learning for Young Children 3 hrs
- EEC 4260 Early Childhood Program Evaluation 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children's Behavior 3 hrs

Senior Year - Fall
- Restricted Elective (3/4XXX level with Advisor approval) 3 hrs
- EEC 4942 Practicum: Early Childhood Careers 9 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Economics (B.A.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
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 Scroggin, 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)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs
- Prefer MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs
- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - ECO 2013 Principles of Macroeconomics GEP
  - ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (12 hrs)
  - ECO 3101 Intermediate Microeconomics 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Select one of the following sequences of courses:
- ECO 3401 Quantitative Business Tools I 3 hrs
- or
  - MAC 2233 Concepts of Calculus and
  - 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 4 hrs
- or
  - STA 4163 Statistical Methods II 3 hrs
- or
  - STA 4321 Statistical Theory I 3 hrs

5. Restricted Electives (27 hrs)
- All B.A. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following
  - ECO 3223 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECO 4934 Topics in Econometrics 3 hrs
  - ECP 3004 Seminar on Current Economic Topics 3 hrs
  - ECP 3203 Labor Economics 3 hrs
  - ECP 4303 Environmental and Natural Resources Economics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECS 4013 Development Economics 3 hrs
  - ECP 4530 Health Economics 3 hrs

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 1 hr

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.

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 majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics, Business

Certificates
- None

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
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
- Cultural History 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
- Cultural History 3 hrs
- Art, Music, or Lit 3 hrs

Sophomore Year - Fall 16 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Foreign Language 3 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 16 hrs
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs

1 “C” (2.0) or better grade required in each class
2 (if no prior Calculus)
### UCF Degree Programs

#### Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics: 3 hrs
- Foreign Language: 4 hrs
- PSY/ANT/SOC Elective: 3 hrs
- Economics Elective: 3 hrs
- Free Elective: 3 hrs
- Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics: 3 hrs
- ECO 3411 Quantitative Business Tools II: 4 hrs
- ECO Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

#### Junior Year - Spring
- ECO Elective: 3 hrs
- ECO Elective: 3 hrs
- ECO Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

#### Senior Year - Fall
- ECO Elective: 3 hrs
- ECO Elective: 3 hrs
- ECO Elective: 3 hrs
- Free Elective: 3 hrs
- ECO 4902 Capstone in Economics: 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
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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#### 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

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**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

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**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)**

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>ANTH 2000 General Anthropology</td>
</tr>
<tr>
<td>Suggested</td>
<td>PSY 2012 General Psychology</td>
</tr>
<tr>
<td>Suggested</td>
<td>SYG 2000 Introduction to Sociology</td>
</tr>
</tbody>
</table>

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>CGS 2100C Computer Fundamentals for Business</td>
</tr>
</tbody>
</table>

**D: Social Foundations**

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>ECO 3411 Quantitative Business Tools II</td>
</tr>
</tbody>
</table>

**Select 2:**

**2. Common Program Prerequisites (CPP)**

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>ANT 2000 General Anthropology</td>
</tr>
<tr>
<td>Suggested</td>
<td>PSY 2012 General Psychology</td>
</tr>
<tr>
<td>Suggested</td>
<td>SYG 2000 Introduction to Sociology</td>
</tr>
</tbody>
</table>

**Select 2:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>ECO 3401 Quantitative Business Tools I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 or any Calculus 1 &amp; 2 sequence</td>
<td></td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Supply Chain and Operations Management</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 or any Calculus 1 &amp; 2 sequence</td>
<td></td>
</tr>
</tbody>
</table>

**Required Major Courses**

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### Undergraduate Catalog 2013-2014

**UNIVERSITY OF CENTRAL FLORIDA**

**180**
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  3 hrs  
  ECO 3410  Mathematical Economics  3 hrs  
  ECO 3703  International Macroeconomics  3 hrs  
  ECO 4303  History of Economic Thought  3 hrs  
  ECO 4412  Econometrics  3 hrs  
  ECO 4504  Public Economics  3 hrs  
  ECO 4713  International Macroeconomics  3 hrs  
  ECO 4751  Law and Economics  3 hrs  
  ECP 3004  Seminar on Current Economic Topics  3 hrs  
  ECP 3203  Labor Economics  3 hrs  
  ECP 4303  Environmental and Natural Resource Economics  3 hrs  
  ECP 4403  Industrial Organization and Game Theory  3 hrs  
  ECS 4013  Development Economics  3 hrs  
  ECO 4934  Topics in Econometrics  3 hrs  
  ECP 4530  Health Economics  3 hrs  

For 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  
ECO 4403  Industrial Organization and Game Theory  3 hrs  
ECO 4934  Topics in Econometrics  3 hrs  

6. Capstone Requirements (5 hrs)  
ECO 4902  Capstone in Economics  1 hr  
MAN 4720  Strategic Management  4 hrs  

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.

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  
- Business Economics

Freshman Year - Fall  15 hrs  
1 ENC 1101  Composition I  3 hrs  
SPC 2001  Fundamentals of Oral Communication  3 hrs  
MAC 1105C  College Algebra  3 hrs  
Cultural History  3 hrs  
Free Elective  3 hrs  

1 “C” (2.0) or better grade required in each class

Freshman Year - Spring  15 hrs  
1 ECO 2023  Principles of Microeconomics  3 hrs  
1 ENC 1102  Composition II  3 hrs  
1 GGS 2100C  Computer Fundamentals for Business  3 hrs  
Cultural History  3 hrs  
Art, Music, or Literature  3 hrs  

1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall  15 hrs  
1 ECO 2013  Principles of Macroeconomics  3 hrs  
2 ECO 3401  Quantitative Business Tools I  3 hrs  
ACG 2021  Principles of Financial Accounting  3 hrs  
Free Elective  3 hrs  
Science  3 hrs  

1 “C” (2.0) or better grade required in each class  
2 (if no Calculus & Statistics) “C” (2.0) or better grade required in each class
Sophomore Year - Spring 15 hrs
ECO 3101 Intermediate Microeconomics 3 hrs
1 ACG 2071 Principles of Managerial Accounting 3 hrs
Science 3 hrs
Free Elective 3 hrs
PSY/ANT/SOC 3 hrs
1 A "C" (2.0) or better grade required in each class

Junior Year - Fall 15 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
MAR 3023 Marketing 4 hrs
GEB 3051 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Senior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
FIN 3403C Business Finance 4 hrs
Economics Elective 3 hrs

Senior Year - Fall 16 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
Economics Elective 3 hrs
Economics Elective 3 hrs
Economics Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
FIN 3403C Business Finance 4 hrs
Economics 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/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 Corporation 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 2311, MAC 2312, PHY 2048C, and CHM 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:
Prefer 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:
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.
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 and EEL 4915L

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

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.
- 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 the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry 1 3 hrs
- GEP- Historical Foundation 3 hrs

Select 1
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Oral Fundamentals of Oral Communication 3 hrs

Select 1:
- CHS 1440 Fundamentals of Chemistry for Engineers or
- CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Fall
- 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
- ENC 1101 Composition I 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Junior Year - Fall
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs

Sophomore Year - Summer
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

Sophomore Year - Spring
- EGN 1006C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Undergraduate Catalog 2013-2014
UCF Degree Programs

Junior Year - Spring 17 hrs
- 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 2 hrs
- EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

Senior Year - Fall 16 hrs
- 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 13 hrs
- 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.oears.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/elmed/
Dr. Kari Williams, Kari.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.

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 1:  3 hrs
- Prefer ARH 2050 History of Western Art I or 3 hrs
- Prefer ARH 2051 History of Western Art II or 3 hrs
- Prefer MUL 2010 Enjoyment of Music  3 hrs

C: Mathematical Foundations 6 hrs
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics  3 hrs

Select 1:  3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2041C Principles of Statistics  3 hrs

D: Social Foundations 6 hrs
- Prefer POS 2401 American National Government  3 hrs
- Prefer PSY 2012 General Psychology  3 hrs

E: Science Foundations 6 hrs
- Prefer PSC 1121 Physical Science  3 hrs
- Prefer BSC 1005 Biological Principles  3 hrs

2. Common Program Prerequisites (CPP) 9 hrs
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  EDF 2005 Introduction to the Teaching Profession  3 hrs
  EDF 2085 Introduction to Diversity for Educators  3 hrs
  EME 2040 Introduction to Technology for Educators  3 hrs
  
1 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 Requirements 8 hrs
  - EDF 2130 Child and Adolescent Development for Educators  3 hrs
  - MAE 2801 Elementary School Mathematics  4 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.
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.

Lower Division Electives 7 hrs
- 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:
  - One associated science lab (BSC 1005L or PSC 1121L) A second course from the preferred courses listed in the UCF General Education Program Section B above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level 60 hrs
- The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management  3 hrs
- EDF 4467 Learning Theory and Assessment  3 hrs
- LAE 3414 Literature for Children  3 hrs
- RED 3012 Basic Foundations of Reading  3 hrs
- TSL 4080 Theory and Practice of Teaching ESL Students in Schools  3 hrs

1 Required prior to Internship I

Semester II 15 hrs
- SCE 3310 Teaching Science in Elementary School  3 hrs
- SSE 3312 Teaching Social Science in the Elementary School  3 hrs
- LAE 4314 Language Arts in the Elementary School  3 hrs
1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
  EEX 4070 Teaching Exceptional Students 3 hrs
1 Required prior to Internship I

Summer 6 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester III (Internship I Block) 12 hrs

■ Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDS 4410, RED 3012, TSL 4080, MAE 2801
RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
2 EDE 3942 Internship I 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School

1 RED 4942, MAE 4326, 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.

Semester IV (Internship II) 12 hrs

■ Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
■ All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Endorsements.
■ All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

1 Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Endorsements. Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. EDE 4943 Internship II (Elementary) 12 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum overall 2.5 GPA within the major.
■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
■ Complete a TESOL notebook as required for ESOL Endorsement.
■ 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
■ 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
■ EME 2040 Introduction to Technology for Educators 3 hrs
■ ENC 1101 Composition I 3 hrs
■ ARH 2050 History of Western Art I 3 hrs
■ MAC 1105C College Algebra 3 hrs

Freshman Year - Spring
14 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
EME 2040 Introduction to Technology 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 - Summer
■ 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 2005 Introduction to the Teaching Profession 3 hrs
■ SPC 1508 Fundamentals of Oral Communication 3 hrs
■ MUL 2010 Enjoyment of Music 3 hrs
UCF Degree Programs

Junior Year - Fall 15 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LAE 3414 Literature for Children 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring 15 hrs
RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
SCE 3310 Teaching Science in Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elementary School 3 hrs
LAE 4314 Language Arts in the Elementary School 3 hrs
EXX 4070 Teaching Exceptional Students 3 hrs

Junior Year - Summer 6 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
EDE 3942 Internship I 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Spring 12 hrs
EDE 4943 Internship II (Elementary) 12 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: $6 per term
- Full-Time Student: $12 per term

English - Creative Writing (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 the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPE 1008 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 course from 1.B.1 list 3 hrs

C: Mathematical Foundations
Math:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam

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

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

1. See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

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:
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 4304 Whitman and His Heirs 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
- AML 3286 Early American Women’s Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select 1:
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 4304 Whitman and His Heirs 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
- AML 3286 Early American Women’s Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select at least one of these post-1865 literature courses.

Select 1:
- 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 4153 American Poetry at Mid-Century or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs

Select at least one of these post-1865 literature courses.

Select 1:
- 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 4153 American Poetry at Mid-Century or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South 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
      - CRW 3013 Creative Writing for English Majors 3 hrs
      - CRW 3211 Creative Nonfiction Writing 3 hrs
      - CRW 3310 Poetry Writing Workshop 3 hrs
      - CRW 3610 Writing Scripts 3 hrs

   b. Choose two of the following: 6 hrs
      - 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

   c. Choose one of the following: 3 hrs
      - CRW 3111 Structure of Verse 3 hrs
      - CRW 3540 Literary Magazines or 3 hrs
      - CRW 4114 History of Prose Style 3 hrs
      - CRW 4724 The Florida Review 3 hrs
      - CRW 4714 The Writing Life 3 hrs
      - CRW 4722 Editing for Creative Writers 3 hrs
      - any other CRW elective or Special Topics course 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

   Admissions
   - Met by graduation requirement

   Graduation
   - Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
   - Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
   - None

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

**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**
- 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
- 1 Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs

1 Check restrictions

**Sophomore Year - Spring**
- CRW 3013 Creative Writing for English Majors 3 hrs
- AML 3031 American Literature I 3 hrs
- ENL 2012 English Literature I 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs
### UCF Degree Programs

#### Junior Year - Fall
- **ENG 3014** Theories and Techniques of Literature 3 hrs
- **AML 3041** American Literature II 3 hrs
- **CRW 3211** Creative Nonfiction Writing 3 hrs
- Required Elective 3 hrs
- Required Elective 3 hrs

#### Junior Year - Spring
- **ENL 2022** English Literature II 3 hrs
- **CRW 3120** Fiction Writing Workshop 3 hrs
- **CRW 4224** Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- **LIN 4105** History of the English Language 3 hrs
- **CRW 4122** Advanced Fiction Writing Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- **CRW 3610** Writing Scripts 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.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

### English - Literature (B.A.)

#### College of Arts and Humanities

#### Department of English, Colbourn Hall, Room: 405

#### 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.

#### 1. UCF General Education Program (GEP) (36 hrs)

##### A: Communication Foundations
- Required: **ENC 1101** Composition I 3 hrs
- Required: **ENC 1102** Composition II 3 hrs
- Preferred: **SPC 1608** Fundamentals of Oral Communication 3 hrs

##### B: Cultural & Historical Foundations
- Preferred: **LIT 2110** World Literature I 3 hrs
- Preferred: **LIT 2120** World Literature II 3 hrs
- Select one class from J.I.B.I. list 3 hrs

##### C: Mathematical Foundations
- Suggested: **MGF 1106** Finite Mathematics 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
- 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)
- **ENG 1101** Composition I 3 hrs  
- **ENG 1102** Composition II 3 hrs

#### 3. Core Requirements: Basic Level (6 hrs)
- **ENG 3014** Theories and Techniques of Literature 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 4280** English Romance Writers or 3 hrs  
- **ENL 4273** Modern British Literature or 3 hrs

- **ENL 3012** English Literature I or 3 hrs  
- **ENL 3013** Narratives of Slavery or 3 hrs

#### 4. Core Requirements: Advanced Level (15 hrs)
- **ENL 3615** Harlem, Haiti, and Havana or 3 hrs
- **ENL 3640** Native American Literature or 3 hrs
- **ENL 3296** Early American Women’s Words or 3 hrs
- **AML 4101** American Novel or 3 hrs
- **AML 4153** American Poetry at Mid-Century 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 4221** Modern American Literature or 3 hrs
- **AML 4630** Latino/Latina Literature or 3 hrs
- **ENL 4101** English Novel or 3 hrs
- **ENL 4153** The Victorian Age: Poetry or 3 hrs
- **ENL 4221** Nineteenth-Century English Prose or 3 hrs
- **ENL 4273** Modern British Literature 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 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 4303** British Authors or 3 hrs
- **LIT 4244** World Authors or 3 hrs

#### Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

#### Select at least two pre-1865 literature courses 6 hrs
- **AML 3004** American Literature I or 3 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 3634** Contemporary Native American Prose and Poetry or 3 hrs

#### Select at least two post-1865 literature courses 6 hrs
- **AML 4101** American Novel or 3 hrs
- **AML 4153** American Poetry at Mid-Century or 3 hrs
- **AML 4155** Modern American Poetry or 3 hrs
- **AML 4621** Literature of the South or 3 hrs
- **AML 4265** Florida Writers or 3 hrs
- **AML 4221** Modern American Literature or 3 hrs
- **AML 4630** Latino/Latina Literature or 3 hrs
- **ENL 4101** English Novel or 3 hrs
- **ENL 4253** The Victorian Age: Poetry 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 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 4303** British Authors or 3 hrs
- **LIT 4244** World Authors or 3 hrs

#### Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

#### Select 2:  
- **AML 4101** American Novel or 3 hrs
- **AML 4265** Florida Writers or 3 hrs
- **AML 4221** Modern American Literature or 3 hrs
- **AML 4630** Latino/Latina Literature or 3 hrs
- **ENL 4101** English Novel or 3 hrs
- **ENL 4253** The Victorian Age: Poetry 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 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 3082** Continental European Fiction Since 1900 or 3 hrs
- **LIT 4303** British Authors or 3 hrs
- **LIT 4244** World Authors or 3 hrs

#### 5. Restricted Electives (15 hrs)
- **ENL 4303** British Authors or 3 hrs
- **ENL 4311** Chaucer or 3 hrs
- **ENL 4341** Milton and His Age or 3 hrs
- **ENL 4333** Shakespeare Studies or 3 hrs
- **ENL 4303** British Authors or 3 hrs
- **ENL 4244** World Authors or 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

188  Undergraduate Catalog 2013-2014
## UCF Degree Programs

### English - Technical Communication

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2210  Humanistic Tradition I</td>
<td>3 hrs</td>
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<tr>
<td>MGF 1106  Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>POS 2041  American National Government</td>
<td>3 hrs</td>
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<td>SPC 1608  Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>16 hrs</td>
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<tr>
<td>CHM 1020  Concepts in Chemistry</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
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<tr>
<td>LIT 2110  World Literature I</td>
<td>3 hrs</td>
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<tr>
<td>STA 1063C  Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>1 SPN 1120C  Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
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<tr>
<td>1 Any language course at this level is acceptable.</td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>16 hrs</td>
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<tr>
<td>BSC 1005  Biological Principles</td>
<td>3 hrs</td>
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<td>LIT 2120  World Literature II</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012  General Psychology</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 SPN 1121C  Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENG 3014  Theories and Techniques of Literature Study</td>
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</tr>
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<td>ENL 2012  English Literature I</td>
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</tr>
<tr>
<td>AML 4261  Literature of the South</td>
<td>3 hrs</td>
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<tr>
<td>ENL 4333  Shakespeare Studies</td>
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<td>13 hrs</td>
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### English - Creative Writing

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<tr>
<td><strong>Freshman Year - Fall</strong></td>
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</tr>
<tr>
<td>ENC 1101  Composition I</td>
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</tr>
<tr>
<td>HUM 2210  Humanistic Tradition I</td>
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</tr>
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<td>MGF 1106  Finite Mathematics</td>
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<tr>
<td>POS 2041  American National Government</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608  Fundamentals of Oral Communication</td>
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<tr>
<td><strong>Freshman Year - Spring</strong></td>
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<tr>
<td>CHM 1020  Concepts in Chemistry</td>
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<tr>
<td>ENC 1102  Composition II</td>
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<tr>
<td>LIT 2110  World Literature I</td>
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<tr>
<td>STA 1063C  Basic Statistics Using Microsoft Excel</td>
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<td>1 SPN 1120C  Elementary Spanish Language and Civilization I</td>
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<tr>
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<tr>
<td>BSC 1005  Biological Principles</td>
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<tr>
<td>LIT 2120  World Literature II</td>
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<tr>
<td>PSY 2012  General Psychology</td>
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### English - Linguistics

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**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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. 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)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 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: 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
- Select a course from GEP C.2 list 3 hrs
- Select at least one of these pre-1865 literature courses 3 hrs

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (6 hrs)
   - Select 1: 3 hrs
     ENC 3241 Writing for the Technical Professional 3 hrs
     Select 1: 3 hrs
     CRW 3013 Creative Writing for English Majors or 3 hrs
     ENG 3014 Theories and Techniques of Literature or 3 hrs
     CRW 3053 Theory & Practice of Creative Writing 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - ENC 4280 Technical Writing Style 3 hrs
   - ENC 4293 Documentation and the Collaborative Process 3 hrs
   - ENC 4294 Documentation and Client-Based Collaboration 3 hrs
   - LIT 4433 Literature of Science and Technology 3 hrs

Select 1:
- ENC 4215 Technical Publication and Project Management or 3 hrs
- ENC 4218 The Visual in Technical Documentation 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
- AML 4304 Whitman and His Heirs 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 4153 American Poetry at Mid-Century 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 4229 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 4022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4253 The Victorian Age: Poetry 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
- AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

5. Restricted Electives (6 hrs)
   - Select 2: 6 hrs
     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
     ENC 4414 Writing and Hypertext or 3 hrs
     ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
     ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Optional course:
- ENC 4941 Internship 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
## 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3616, 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

## 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

### 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
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

### Plan of Study
- 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)

### 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

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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 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.

##### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPH 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 STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

##### D: Social Foundations (6 hrs)
- Required PSY 2012 General Psychology 3 hrs

##### E: Science Foundations (6 hrs)
- Required PSC 1608 Fundamentals of Oral Communication 3 hrs

#### Select 1: (3 hrs)
- Required ANT 2511 The Human Species or 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.

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<td>EDF 2005 Introduction to the Teaching Profession</td>
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<tr>
<td>1 EDF 2085 Introduction to Diversity for Educators</td>
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<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>GEP</td>
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<tr>
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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.
UCF Degree Programs

### 3. Core Requirements: Basic Level (12 hrs)

- **EDG 4410** Teaching Strategies and Classroom Management (3 hrs)
- **TSL 4080** Theory and Practice of Teaching ESOL in Students in Schools (3 hrs)
- **EDF 4467** Learning Theory and Assessment (3 hrs)
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- **EEX 4242** Teaching Exceptional Students in Secondary Settings (3 hrs)
- **RED 4043** Content Reading in Kindergarten through Grade 12 (3 hrs)
- **TSL 4240** Issues in Second Language Acquisition (3 hrs)

**Prerequisite for Internship I.**

### Specialization Requirements (21 hrs)

- **CRW 3013** Creative Writing for English Majors (3 hrs)
- **ENG 3014** Theories and Techniques of Literature Study (3 hrs)
- **AML 3031** American Literature I (3 hrs)
- **AML 3041** American Literature II (3 hrs)
- **LAE 4464** Survey of Adolescent Literature (3 hrs)
- **EDG 4410** Teaching Strategies and Classroom Management (3 hrs)
- **LAE 3940** Internship (3 hrs)

### Select 1:

- **ENC 3311** Essay as Cultural Commentary or Studies in Literature (3 hrs)
- **LIN 4105** History of the English Language (3 hrs)

### Internship I Block (9 hrs)

- 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 in 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 in 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](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 score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

### 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.
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
- EDF 2130 Child and Adolescent Development for Educators 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: 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- STA 2014 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
- AML 3031 American Literature I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 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
- CRW 3013 Creative Writing for English Majors 3 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

Select 1: 3 hrs
- ENC 3311 Essay as Cultural Commentary or
- LIN 4105 History of the English Language 3 hrs

Junior Year - Spring 15 hrs
- AML 3041 American Literature II 3 hrs
- Upper Division Elective w/ RED, LAE, EDF, or EDF prefix 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Junior Year - Summer 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Fall 12 hrs
- LAE 4380 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- LAE 3940 Internship 3 hrs

Senior Year - Spring 12 hrs
- LAE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.

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.

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

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

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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

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

A grade of “C” (2.0) or better is required in each course in this section.

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

Select one of the following sequences of courses:

- Preferred course
  CHM 2045C Chemistry Fundamentals I 4 hrs
  or
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

1. A “C” (2.0) or better is required in each course.

2. Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

3. CHM 2041 Chemistry Fundamentals IA and 3 hrs
4. CHM 2046L Chemistry Fundamentals Laboratory 1 hr
5. EGN 1007C Engineering Concepts and Methods 1 hr
6. EGN 1006C Introduction to the Engineering Profession 1 hr

7. Required Minors
   None
8. Departmental Exit Requirements
   None

9. University Minimum Exit 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
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 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 with his/her petition for this evaluation.
Degree Programs

EGN 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.

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
MAC 2311C Calculus with Analytic Geometry I 4 hrs
1 BSC 1050 Biology and Environment 3 hrs
GEP 3 hrs

Sophomore Year - Fall 15 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs

Sophomore Year - Spring 17 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EGN 3321 Engineering Analysis-Dynamics 3 hrs
GEP 3 hrs

Sophomore Year - Summer 9 hrs
EGN 3343 Thermodynamics 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3331 Materials of Mechanics 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
ENV 4341 Solid & Hazardous Waste Management 3 hrs

Junior Year - Spring 14 hrs
GEP 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs

Senior Year - Fall 16 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
EES 4202C Chemical Process Control 4 hrs
CWR 4633C Water Resources Engineering II 3 hrs

Design Specialization 3 hrs
ENV 4433C Environmental Engineering Wastewater Design or 3 hrs
ENV 4122C Air Pollution Control Design or 3 hrs
ENV 4300C Solid Waste Facility Design or 3 hrs
ENV 4562C Environmental Engineering Water Treatment Design 3 hrs

Senior Year - Spring 12 hrs
EES 4111C Biological Process Control 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
CGN 4808C CECE Capstone Design 3 hrs

Program Academic Learning Compacts

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 3 hrs
Required STA 2823 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
Required PSY 2012 General Psychology or 3 hrs
Required SYG 2000 Introduction to Sociology or 3 hrs
Required ANT 2010 General Anthropology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

Program Academic Learning Compacts

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

D: Social Foundations (6 hrs)

Select 1: 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

3. Core Requirements: Basic Level

MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

STA 2023 Statistical Methods I or 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs

Select 1: 3 hrs

E: Science Foundations (6 hrs)

HFI 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

4. Core Requirements: Advanced Level (52 hrs)

Hospitality Management Core 24 hrs

HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs

UCF Degree Programs
UCF Degree Programs

Internships
- HFT 3940 Internship I 1 hr
- HFT 4841 Internship II 1 hr
- HFT 4944 Internship III 1 hr

Event Management Core 25 hrs
- FSS 2284C Food Preparation for Catered Events 4 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3373 Event Design, Production & Technology 3 hrs
- HFT 3519 Event Services 3 hrs
- HFT 3523 Event Sales 3 hrs
- HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)

Complete any six restricted Event Management Electives
- HFT 3441 Meeting Management or 3 hrs
- HFT 4574 Exhibit and Trade Show Operations or 3 hrs
- HFT 4795 Entertainment Arts and Events or 3 hrs
- HFT 3798 Fairs and Festivals or 3 hrs
- HFT 4561 Destination Marketing or 3 hrs
- HFT 4736 Destination Management or 3 hrs
- HFT 4796 International Events or 3 hrs
- HFT 4375 Advanced Trade Show Management or 3 hrs
- HFT 3868 History and Culture of Wine or 3 hrs
- HFT 3357 Golf & Club Event Operations 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 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

Certifications
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- ENC 1101 Composition I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

Select one course from the list 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Cultural Foundation Course 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs

Cultural Foundation Course 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Fall 15 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HFT 3500 Hospitality and Tourism Marketing 3 hrs

Select one 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Science Foundation 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- BSC 1050 Biology and Environment or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2011 The Human Species 3 hrs

Sophomore Year - Spring 16 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3519 Event Services 3 hrs
- FSS 2284C Food Preparation for Catered Events 4 hrs

Science Foundation II 3 hrs
- AST 2002 Astronomy or 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science 3 hrs

Cultural Foundation Course 3 hrs
- FIL 1000 Cinema Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

1 Food Preparation for Catered Events 4 credit hours
### UCF Degree Programs

#### Film (B.F.A.)

**College of Arts and Humanities**  
**Nicholson School of Communication, Room: 121**  
**Email:** film@ucf.edu  
Steve Schlow, 407-823-2845  
Phone: 407-823-4285

#### 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](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.

#### 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: $37.50 per term
- Full-Time Student: $75 per term

#### Program Academic Learning Compacts

- **1. UCF General Education Program (GEP)** (36 hrs)
  - See Transfer Notes for possible substitutions.
- **A: Communication Foundations** (9 hrs)
  - Prefer FIL 2030 History of Motion Pictures 3 hrs
- **B: Cultural & Historical Foundations** (9 hrs)
  - Prefer one course from 1.B.1 list 3 hrs
  - Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs
- **C: Mathematical Foundations** (6 hrs)
  - Prefer 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

#### University Free Electives

- 5 hours

#### University Free Electives

- 6 hours

#### Admission Requirements

1. **1. UCF General Education Program (GEP)** (36 hrs)
   - See Transfer Notes for possible substitutions.
2. **A: Communication Foundations** (9 hrs)
   - Prefer FIL 2030 History of Motion Pictures
   - Prefer one course from 1.B.1 list
3. **B: Cultural & Historical Foundations** (9 hrs)
   - Prefer one course from either 1.B.1 or 1.B.2 list
4. **C: Mathematical Foundations** (6 hrs)
   - Prefer 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.
5. **Statistics-Computers** (3 hrs)
   - Select a course from GEP C.2 list

#### Core Requirements: Basic Level (21 hrs)

- **1. Lower level core requirements**
  - Prefer FIL 2107 Script Analysis 3 hrs
  - Prefer FIL 1009 Cinematic Expression for Majors 3 hrs
  - Prefer FIL 2552 Editing I 3 hrs
  - Prefer FIL 2480 Directing for Film I 3 hrs
  - Prefer FIL 2461 Cinematography I 3 hrs
  - Prefer FIL 2481 Directing the Actor for Film I 3 hrs
  - Pref FIL 3007 Foundations of Story GEP

#### Core Requirements: Advanced Level (36 hrs)

- **1. Upper level core requirements**
  - Prefer FIL 3363C Film Documentary 3 hrs
  - Prefer FIL 4472C Cinematography II 3 hrs
  - Prefer FIL 4536 Sound Design for Film II 3 hrs
  - Prefer FIL 4535C Sound Design for Film II 3 hrs
  - Prefer FIL 4534 Sound Design for Film I 3 hrs
  - Prefer FIL 3922 Film Colloquium 1 hr
  - Prefer FIL 4467 Directing for Film III 3 hrs
  - Prefer FIL 4162C Feature/TV Writing I 3 hrs
  - Prefer FIL 4163C Feature/TV Writing II 3 hrs
  - Prefer FIL 4164C Feature/TV Writing III 3 hrs
  - Prefer FIL 4906 Directed Independent Study 1 hr

#### Screen Writing

- **1. Six semesters of colloquium required at 1 hour each.**

#### Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

#### Production / Direction

- **1. Upper level core requirements**
  -prefer FIL 3363C Film Documentary 3 hrs
  -prefer FIL 4472C Cinematography II 3 hrs
  -prefer FIL 4536 Sound Design for Film II 3 hrs
  -prefer FIL 4535C Sound Design for Film II 3 hrs
  -prefer FIL 4534 Sound Design for Film I 3 hrs
  -prefer FIL 3922 Film Colloquium 1 hr
  -prefer FIL 4467 Directing for Film III 3 hrs
  -prefer FIL 4162C Feature/TV Writing I 3 hrs
  -prefer FIL 4163C Feature/TV Writing II 3 hrs
  -prefer FIL 4164C Feature/TV Writing III 3 hrs
  -prefer FIL 4906 Directed Independent Study 1 hr

#### Cinema Studies

- **1. Six semesters of colloquium required at 1 hour each.**

#### Cinematic Expression for Majors

- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs
UCF Degree Programs

FIL 3841  French New Wave Cinema  3 hrs
FIL 3824  Italian Neo-Realist Cinema  3 hrs
FIL 3847  Latin American Cinema  3 hrs
FIL 3820  Italian Film  3 hrs
FIL 3822  French Film  3 hrs
FIL 3823  German Film  3 hrs
FIL 3826  American Cinema  3 hrs
FIL 3871  The American Film Artist  3 hrs
FIL 4436  Film Theory/Film Production  3 hrs

Digital Cinema
ART 2823  Art as Interface  3 hrs
ART 3618  Post-Production Design  3 hrs
COP 3502C  Computer Science I  3 hrs
DIG 4855  Converging Media Capstone  3 hrs
DIG 3138C  Digital Imagery  3 hrs
DIG 4780C  Modeling for Realtime Systems  3 hrs
ENC 4415  Digital Rhetorics and The Modern Dialectic  3 hrs
DIG 3134  Media Software Design  3 hrs
MUC 3311  MIDI Sequencing I  3 hrs

6. Capstone Requirements  (6 hrs)
FIL 4434C  Capstone I  3 hrs
FIL 4573C  Capstone II  3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction
- 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:  3 hrs
CGS 1060C  Introduction to Computers or
FIL 2552  Editing I  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
- 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.
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
FIL 1008  Cinematic Expression/Aesthetics  3 hrs
FIL 1009  Cinematic Expression for Majors  3 hrs
FIL 3922  Film Colloquium  1 hr
GEP 3 hrs
Foreign Language  4 hrs

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
FIL 2107  Script Analysis  3 hrs
FIL 3922  Film Colloquium  1 hr
GEP 3 hrs
Foreign Language  4 hrs

Freshman Year - Summer
GEP 3 hrs

Sophomore Year - Fall
FIL 3115  Short Script I  3 hrs
FIL 3427C  Introduction to Film Production  3 hrs
FIL 3808C  Film Theory and Criticism I  3 hrs
FIL 3922  Film Colloquium  1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
FIL 2480  Directing for Film I  3 hrs
FIL 2481  Directing the Actor for Film I  3 hrs
FIL 2552  Editing I  3 hrs
FIL 3922  Film Colloquium  1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Summer
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
DIG 2000  Introduction to Digital Media  3 hrs
FIL 2461  Cinematography I  3 hrs
FIL 3036  Film History I  3 hrs
FIL 3534  Sound Design for Film I  3 hrs
FIL 3922  Film Colloquium  1 hr
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
FIL 3922  Film Colloquium  1 hr
FIL 4647  Film Production Management  3 hrs
FIL 4661  The Film Producer  3 hrs
FIL XXXX - Elective  3 hrs
UCF Degree Programs

Senior Year - Fall
FIL 4434C Capstone I 3 hrs
FIL XXXX - Elective

Senior Year - Spring
FIL 4673C Capstone II 3 hrs
FIL XXXX - Elective

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu
Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-4285

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.
- 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)
   C: Mathematical Foundations (6 hrs)
   Math
   3 hrs
   1. Suggested MGF 1106 Finite Mathematics or
   2. Suggested MGF 1107 Explorations in Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   C: Mathematical Foundations (6 hrs)
   Math
   3 hrs
   1. Suggested MGF 1106 Finite Mathematics or
   2. Suggested MGF 1107 Explorations in Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   C: Mathematical Foundations (6 hrs)
   Math
   3 hrs
   1. Suggested MGF 1106 Finite Mathematics or
   2. Suggested MGF 1107 Explorations in Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   C: Mathematical Foundations (6 hrs)
   Math
   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) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
   FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2423 Foundations of Production 3 hrs
   DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   FIL 3006 Art of the Cinema 3 hrs
   FIL 3462C Cinematic Expression 3 hrs
   FIL 3363C Film Documentary 3 hrs
   FIL 3036 Film History I 3 hrs
   FIL 3037 Film History II 3 hrs
   FIL 3051 Avant-Garde Cinema 3 hrs
   FIL 3803C Film Theory and Criticism I 3 hrs
   FIL 3804C Film Theory and Criticism II 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 3826 American Cinema 3 hrs
   FIL 4661 The Film Producer 3 hrs

Select 1:            3 hrs
   FIL 3102 Writing for Film and TV or
   FIL 3115 Short Script I

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 3031 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 5612 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.
- Computer competency met by one of the following:
  - CGS 1060C Introduction to Computers 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

1. See Transfer Notes for possible substitutes

UNIVERSITY OF CENTRAL FLORIDA
199
Undergraduate Catalog 2013-2014
UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 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

ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
Foreign Language I 4 hrs

Freshman Year - Spring

ENC 1102 Composition II 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
Foreign Language II 4 hrs

Freshman Year - Summer

GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall

FIL 2423 Foundations of Production 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 3036 Film History I 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring

DIG 2000 Introduction to Digital Media 3 hrs
FIL 3037 Film History II 3 hrs
Take one of the following 3 hrs
FIL 3102 Writing for Film and TV or 3 hrs
FIL 3115 Short Script I 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall

FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL XXXX - Elective 3 hrs
GEP 3 hrs
Minor 3 hrs

Junior Year - Spring

FIL 3462C Cinematic Expression 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 4601 The Film Producer 3 hrs
GEP 3 hrs
Minor 3 hrs

Senior Year - Fall

FIL 3826 American Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Senior Year - Spring

FIL 3851 Avant-Garde Cinema 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Finance (B.S.B.A.)

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 4 hrs

1. **UCF General Education Program (GEP)** (36 hrs)
- **A: Communication Foundations** (9 hrs)
  - Prefer SPC 1698 Fundamentals of Oral Communication

- **B: Cultural & Historical Foundations** (9 hrs)
  - Suggested ECO 2013 Principles of Macroeconomics or Principles of Microeconomics

- **C: Mathematical Foundations** (6 hrs)
  - Required CGS 2100C Computer Fundamentals for Business
  - Prefer MAC 1105C College Algebra

- **D: Social Foundations** (6 hrs)
  - Select 1: 3 hrs
    - Suggested ECO 2023 Principles of Microeconomics
  - Select 1: 3 hrs
    - Suggested PSY 2012 General Psychology
    - Suggested ANT 2000 General Anthropology
    - Suggested SYG 2000 Introduction to Sociology

- **E: Science Foundations** (6 hrs)
  - 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 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 STA 2023 Statistical Methods I 3 hrs

2. **Core Requirements: Basic Level** (32 hrs)

First or subsequent semester in the College of Business Administration:

1. **GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
2. **GEB 3031L** Cornerstone Lab: Professional Skills for Business 1 hr
3. **BUL 3130** Legal and Ethical Environment of Business 4 hrs
4. **ECO 3411** Quantitative Business Tools II 4 hrs
5. **FIN 3403c** Business Finance 4 hrs
6. **GEB 3375** Introduction to International Business 4 hrs
7. **MAN 3025** Management of Organizations 4 hrs
8. **MAR 3023** Marketing 4 hrs
9. **MAR 3203** Supply Chain and Operations Management 4 hrs

1. Required in 1st or 2nd semester.

4. **Core Requirements: Advanced Level** (18 hrs)
- **FIN 3303** Financial Markets 3 hrs
- **FIN 3414** Intermediate Corporate Finance 3 hrs
- **FIN 3504** Investment Analysis 3 hrs
- **FIN 4453** Financial Models 3 hrs

Select 2: 6 hrs
- **FIN 3461** Financial Statement Analysis or 3 hrs
- **FIN 4324** Commercial Bank Management or 3 hrs
- **FIN 4424** Advanced Topics in Financial Management 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

5. **Restricted Electives** (6 hrs)
- Select 2: 6 hrs
  1. **ACG 3131** Intermediate Financial Accounting I or 3 hrs
  2. **ACG 3141** Intermediate Financial Accounting II or 3 hrs
  3. **ACG 3361** Cost Accounting I or 3 hrs
  4. **ECO 4412** Econometrics or 3 hrs
  5. **FIN 3461** Financial Statement Analysis or 3 hrs
  6. **FIN 4324** Commercial Bank Management or 3 hrs
  7. **FIN 4424** Advanced Topics in Financial Management or 3 hrs
  8. **FIN 4514** Portfolio Analysis and Management or 3 hrs
  9. **FIN 4533** Financial Derivatives or 3 hrs
  10. **FIN 4604** International Financial Management or 3 hrs
  11. **FIN 4903H** Honors Directed Reading I or 3 hrs
  12. **FIN 4970H** Undergraduate Honors Thesis or 3 hrs
  13. **GEB 4374** International Negotiations and Transactions or 3 hrs
  14. **M AR 3391** Professional Selling or 3 hrs
  15. **REE 4043** Fundamentals of Real Estate or 3 hrs
  16. **REE 3343** Real Estate Law or 3 hrs
  17. **REE 4103** Real Estate Appraisal and Valuation or 3 hrs
  18. **REE 4203** Commercial Real Estate Finance or 3 hrs
  19. **REE 4204** Residential Real Estate Finance or 3 hrs
  20. **REE 4303** Real Estate Investment Analysis or 3 hrs
  21. **REE 4732** Real Estate Development or 3 hrs
  22. **REE 4933** Advanced Topics in Real Estate or 3 hrs
  23. **TAX 4001** Taxation of Business Entities and Transactions or 3 hrs

1. Must be an accounting major or accounting minor to register for this course

6. **Capstone Requirements** (4 hrs)
- **MAN 4720** Strategic Management 4 hrs

7. **Foreign Language Requirements**

8. **Electives**

9. **Additional Requirements**

10. **Required Minors**

11. **Departmental Exit Requirements**
### UCF Degree Programs

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Fall

<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>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Psy/Ant/Soc</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fin 3403C Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 303L Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 303LL Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Fin 3303 Financial Markets</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fin 3414 Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fin 3504 Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
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</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Supply Chain and Operations Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Fin Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fin Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fin 4453 Financial Models</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Fin Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fin Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Forensic Science - Analysis Track (B.S.)

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 306A**

[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)

**Email:** chemistry@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.
A. Forensic Science Core: 18 hrs

B. Forensic Analysis Track: 16 hrs

C. Mathematical Foundations (7 hrs)

D: Social Foundations

E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)

3. Core Requirements: Basic Level (18 hrs)

4. Core Requirements: Advanced Level (34 hrs)

5. Restricted Electives (12 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Undergraduate Catalog 2013-2014

UCF Degree Programs
UCF Degree Programs

Related Minors
- Chemistry

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.

This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 12 hrs
CHM 2040 Chemistry Fundamentals IIA 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
MAC 1140 Pre-Calculus Algebra 3 hrs
ENC 1101 Composition I 3 hrs

Freshman Year - Spring 14 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
BSC 2010C Biology I 4 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
ENC 1102 Composition II 3 hrs

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 Engineers and Scientists II 4 hrs
Restricted Elective 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 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 3083 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 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
SFC 1603C Fundamentals of Technical Presentations 3 hrs
GEP 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.oaes.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: chemistry@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.
- 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)
- 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

C: Mathematical Foundations (7 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required 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

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 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)
■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I GEP/CPP

- or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

- and
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and GEP/CPP
BSC 2010C Biology I and GEP/CPP
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II and GEP/CPP

Basic Core: Additional Requirements 20 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
STA 2023 Statistical Methods I and 3 hrs
PCB 3063 Genetics and 3 hrs
PCB 3063L Genetics Laboratory and 1 hr
PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

4. Core Requirements: Advanced Level (45 hrs)
A. Forensic Science Core 18 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Biochemistry Track: 27 hrs
BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
MCH 3203L 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.

6. Capstone Requirements
■ None
## UCF Degree Programs

- **Freshman Year - Fall**
  - CHM 2040 Chemistry Fundamentals I 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - BSC 2010C Biology I 4 hrs
  - MAC 1140 Pre-Calculus Algebra 3 hrs
  - ENC 1101 Composition I 3 hrs
  - **Total: 16 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
  - **Total: 16 hrs**

- **Freshman Year - Summer**
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - **Total: 4 hrs**

- **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
  - **Total: 14 hrs**

- **Sophomore Year - Spring**
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - Lab may be taken in a later term if seats are not available.
  - MCB 3020C General Microbiology 5 hrs
  - GEP 3 hrs
  - **Total: 13 hrs**

- **Sophomore Year - Summer**
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - **Total: 4 hrs**

- **Junior Year - Fall**
  - CHS 3505C Forensic Microscopy 4 hrs
  - PCB 3233 Immunology 3 hrs
  - PCB 3233L Immunology Laboratory 1 hr
  - GEP 3 hrs
  - **Total: 14 hrs**

- **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
  - **Total: 14 hrs**

- **Senior Year - Fall**
  - CHS 3533 Forensic Biochemistry I 2 hrs
  - BCH 4053 Biochemistry I 3 hrs
  - PCB 3522 Molecular Biology I 3 hrs
  - BSC 3403C Quantitative Biological Methods 4 hrs
  - GEP 3 hrs
  - **Total: 16 hrs**

- **Senior Year - Spring**
  - CHS 4594C 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
  - **Total: 14 hrs**

- **Senior Year - Summer**
  - CHS 4591 Forensic Science Internship 4 hrs
  - **Total: 4 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: $45 per term
- Full-Time Student: $90 per term

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## French (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages and Literatures**, Colbourn Hall, Room: 523


Dr. Paul Giordano

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 4422, FRE 3760, and FRE 4421.

### Admission Requirements
- **None**

### Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog.**
- 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)

2. **Math**
   - 6 hrs
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics (3 hrs)

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

4. **D: Social Foundations**
   - (6 hrs)

5. **E: Science Foundations**
   - (6 hrs)

6. **2. Common Program Prerequisites (CPP) (14 hrs)**
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - 1 FRE 1120C Elementary French Language and Civilization I (4 hrs)
   - 1 FRE 1121C Elementary French Language and Civilization II (4 hrs)
   - 1 FRE 2200 Intermediate French Language and Civilization I (3 hrs)
   - 1 FRE 2201 Intermediate French Language and Civilization II (3 hrs)

1 *May be met by proficiency test or completion of FRE 2201*
4. Core Requirements: Advanced Level  
   (21 hrs)  
   FRW 3100  Survey of French Literature I  3 hrs  
   1 FRE 3300  French Grammar  3 hrs  
   1 FRE 3420  French Composition  3 hrs  
   1 FRE 3760  Advanced French Oral Communication  3 hrs  
   1 FRE 3780  French Phonetics and Diction  3 hrs  

Select 1:  
   3 hrs  
   1 FRE 4421  Advanced French Conversation  3 hrs  
   FRE 4422  Advanced French Composition  3 hrs  

Select 1:  
   3 hrs  
   FRW 3101  Survey of French Literature II or  3 hrs  
   FRW 3770  Francophone Literature  3 hrs  

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

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.  
    Students must submit their portfolio to their French Faculty 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  
   Spanish

Certificates  
   None

Related Minors  
   French  
   Italian  
   Judaic Studies  
   Latin American Area Studies  
   Spanish

Advising Notes  
   None

Transfer Notes  
   Lower division courses do not substitute for upper division courses.  
   Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
   None

Plan of Study  
   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

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  3 hrs

   B: Cultural & Historical Foundations  
   (9 hrs)  
   C: Mathematical Foundations  
   (6 hrs)  
   Required  CGS 2100C Computer Fundamentals for Business  3 hrs

   D: Social Foundations  
   (6 hrs)  
   Select 1:  
   3 hrs  
   Required  ECO 2013 Principles of Macroeconomics  3 hrs

   Select 1:  
   3 hrs  
   Suggested  ANT 2000 General Anthropology  3 hrs

   Suggested  PSY 2012 General Psychology  3 hrs

   Suggested  SYG 2000 Introduction to Sociology  3 hrs
### UCF Degree Programs

**E: Science Foundations**  (6 hrs)
- 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.

**2. Common Program Prerequisites (CPP)**  (18 hrs)
- Must be completed with a “C” (2.0) or better.
  - ACG 2021  Principles of Managerial 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 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 3 hrs
  - 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**  (32 hrs)

**Core Classes**  32 hrs
- First or subsequent semester in the College of Business Administration:
  - BUL 3130  Legal and Ethical Environment of Business and 4 hrs
  - ECO 3411  Quantitative Business Tools II and 4 hrs
  - FIN 3403C  Business Finance and 3 hrs
  - GEB 3031  Cornerstone: Professional Skills for 3 hrs
  - GEB 3031L  Cornerstone Lab: Professional Skills for 1 hr
  - MAC 3375  Introduction to International Business and 4 hrs
  - MAN 3025  Management of Organizations and 4 hrs
  - MAR 3023  Marketing and 4 hrs
  - MAR 3203  Supply Chain and Operations Management 4 hrs

**Second Level Core Requirements**  12 hrs
- Students must take the following four (4) courses.
  - ECP 4703  Managerial Economics 3 hrs
  - FIN 3353  Financial Markets 3 hrs
  - MAN 3301  Management of Human Resources 3 hrs
  - MAR 3503  Consumer Behavior 3 hrs

**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
- ECO 3223  Money and Banking 3 hrs
- ECP 3203  Labor Economics 3 hrs

#### Finance
- FIN 3414  Intermediate Corporate Finance 3 hrs
- FIN 3504  Investment Analysis 3 hrs

#### Management
- GEB 3113  Creativity and Entrepreneurship 3 hrs
- MAN 4240  Organizations: Theory and Behavior 3 hrs
- MAN 4441  Conflict Resolution and Negotiation 3 hrs

#### Marketing
- MAR 3403  Sales Force Management 3 hrs
- MAR 3613  Marketing Analysis and Research 3 hrs
- MAR 4156  International Marketing 3 hrs
- MAR 4841  Services Marketing 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
  - GEB 3031  Cornerstone: Professional Skills for Business 4 hrs
  - GEB 3031L  Cornerstone Lab: Professional Skills for Business 1 hr
  - MAN 3025  Management of Organizations 4 hrs
  - MAR 3023  Marketing 4 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**
- 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 remittance as a General Business major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an 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

**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
ENC 1101 Composition I 3 hrs
1 SPC 1608 Fundamentals of Oral Communication 3 hrs
1 Must complete nine hours in a summer term.

Freshman Year - Spring 15 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall 15 hrs
1 ACG 2021 Principles of Financial Accounting 3 hrs
ECC 2023 Principles of Microeconomics 3 hrs
1 "C" (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

Sophomore Year - Spring 15 hrs
AGS 2071 Principles of Managerial Accounting 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs

Junior Year - Fall 16 hrs
BUL 3130 Legal and Ethical Environment of Business 4 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 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Junior Year - Spring 15 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAR 3023 Marketing 4 hrs

Senior Year - Fall 16 hrs
1 GEB 3375 Introduction to International Business 4 hrs

Senior Year - Spring 13 hrs
ECP 4703 Managerial Economics 3 hrs
MAN 4720 Strategic Management 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeast.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 & Public Affairs II, Room: 210
http://www.coipa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, anoblin@ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
  - All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of "C" (2.0)
  - Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
  - Students should consult with a departmental advisor
  - The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
  - A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
  - UCF Residency Requirement: 30 hours
UCF Degree Programs

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Suggested MAC 1105C College Algebra 3 hrs
      Suggested STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
      Suggested BSC 2010C Biology I 4 hrs
      Suggested CHM 1032 General Chemistry 3 hrs
   E: Science Foundations (7 hrs)
      Suggested MAC 1105C College Algebra 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (66 hrs)
   HSC 3147 Introduction to Pharmacology 3 hrs
   HSA 3170 Health Care Finance 3 hrs
   HSA 4109 Principles of Managed Care 3 hrs
   HSA 4191 Health Care Automation 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 4555 Pathophysiology I 3 hrs
   HSC 4558 Pathophysiology II 3 hrs
   HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
   HIM 3116C Health Record Organization and Management 4 hrs
   HIM 3806C Professional Practice Experience I 3 hrs
   HIM 4916C Professional Practice Experience II 3 hrs
   HIM 4226C Coding Procedures I 5 hrs
   HIM 4256C Coding Procedures II 3 hrs
   HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   HIM 4344C Health Information Department Management 4 hrs
   HIM 4506C Quality Management 3 hrs
   HIM 4656C Health Information Management Systems 3 hrs
   HIM 4386 Management Affiliation 5 hrs
   Select 1: 3 hrs
   HSA 4180 Organization & Management for Health Agencies I or
   MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Graduation
   None

9. Electives
   None

10. Additional Requirements
    None

11. Departmental Exit Requirements
    A minimum 2.5 overall GPA is required for graduation.

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University of Central Florida

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
CHM 1032 General Chemistry 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105C College Algebra 3 hrs
Select 1: 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

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University of Central Florida

Undergraduate Catalog 2013-2014

210
Health Sciences - Pre-Clinical Track (B.S.)

College of Health and Public Affairs
Department of Health Professions,
Health & Public Affairs II, Room: 118
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pcinfo@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 appear on this schedule and are restricted to majors only.
■ 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)

C: Mathematical Foundations (6 hrs)
1 Required  MAC 1105C  College Algebra  3 hrs
Required  STA 2023  Statistical Methods I  3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

D: Social Foundations (6 hrs)
Required  PSY 2012  General Psychology  3 hrs

E: Science Foundations (8 hrs)
Required  BSC 2010C  Biology I  4 hrs
Required  PHY 2053C  College Physics I  4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114C  College Trigonometry  3 hrs
BSC 2010C  Biology I  GEP
PSY 2012  General Psychology  GEP
STA 2023  Statistical Methods I  3 hrs

3. Core Requirements: Basic Level (20 hrs)

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

A: Communication Foundations (9 hrs)
Suggested  SPC 1608  Fundamentals of Oral Communication  3 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

D: Social Foundations (6 hrs)
Required  PSY 2012  General Psychology  3 hrs

E: Science Foundations (8 hrs)
Required  BSC 2010C  Biology I  4 hrs
Required  PHY 2053C  College Physics I  4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114C  College Trigonometry  3 hrs
BSC 2010C  Biology I  GEP
PSY 2012  General Psychology  GEP
STA 2023  Statistical Methods I  3 hrs

3. Core Requirements: Basic Level (20 hrs)

A: Communication Foundations (9 hrs)
Suggested  SPC 1608  Fundamentals of Oral Communication  3 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

D: Social Foundations (6 hrs)
Required  PSY 2012  General Psychology  3 hrs

E: Science Foundations (8 hrs)
Required  BSC 2010C  Biology I  4 hrs
Required  PHY 2053C  College Physics I  4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114C  College Trigonometry  3 hrs
BSC 2010C  Biology I  GEP
PSY 2012  General Psychology  GEP
STA 2023  Statistical Methods I  3 hrs

3. Core Requirements: Basic Level (20 hrs)

A: Communication Foundations (9 hrs)
Suggested  SPC 1608  Fundamentals of Oral Communication  3 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

D: Social Foundations (6 hrs)
Required  PSY 2012  General Psychology  3 hrs

E: Science Foundations (8 hrs)
Required  BSC 2010C  Biology I  4 hrs
Required  PHY 2053C  College Physics I  4 hrs
## Capstone Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4008</td>
<td>Professional Development in Health Professions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Students must earn appropriate score on placement exam prior to enrolling in these classes.

### Core Requirements: Advanced Level (29 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3112</td>
<td>Preventive Health Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 4562</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4558</td>
<td>Pathophysiology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 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 website for updated information and suggested electives for specific Health Professions Graduate Programs.

### 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.

### Additional Requirements

- None

### Required Minors

- None

### Departmental Exit Requirements

- None

### 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
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

### Advising Notes

- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.
Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g., General Chemistry, College Physics) 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.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for 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.

Plan of Study

Freshman Year - Fall
- 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 2 hrs
- Professions

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- MUL 201 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- 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 1892-1877 or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring
- 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:
- 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
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- Restricted Elective 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Junior Year - Spring
- PHY 2054C College Physics II 4 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- HSC 3111 Preventive Health Care 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

UCF Residency Requirement: 30 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

Health Services Administration (B.S.)

Department of Health Management and Informatics, Health & Public Affairs II, Room: 210

http://www.cooha.ucf.edu/hmi/

Email: hsainfo@ucf.edu

Dr. Jennifer Sumner, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
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://learm.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

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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   3 hrs
   
   B: Cultural & Historical Foundations (9 hrs)
   
   C: Mathematical Foundations (6 hrs)
   Suggested MAC 1105C College Algebra
   3 hrs
   
   Select 1: 3 hrs
   
   D: Social Foundations (6 hrs)
   Suggested ECO 2023 Principles of Microeconomics
   3 hrs
   
   Select 1:
   
   2. Common Program Prerequisites (CPP) (9 hrs)
   
   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
   
   5. Restricted Electives
   None
   
   6. Capstone Requirements (3 hrs)
   HSA 4939 Health Services Administration Capstone
   3 hrs
   
   7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   
   Graduation
   Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
   
   8. Electives
   Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.
   
   9. Additional Requirements
   As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.
   
   10. Required Minors
   None
   
   11. Departmental Exit Requirements
   Students must earn a “C” (2.0) or better in each Health Services Administration course.
   
   12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF.
   
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   
   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
   
   Total Semester Hours Required
   120
   Honors In Major
   Interested students should consult with a faculty advisor.
   
   Related Programs
   Public Administration
   Health Informatics and Information Management
   
   Certificates
   Aging Studies
   
   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 are 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 Professions 2 hrs
MAC 1105C College Algebra 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 2200 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
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 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
EUH 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
Junior Year - Spring 15 hrs
HSA 3170 Health Care Finance 3 hrs
HSC 4500 Epidemiology 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HSA 4191 Health Care Automation 3 hrs
Elective / Minor 3 hrs
Senior Year - Fall 15 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Services Research Methods 3 hrs
Elective / Minor 3 hrs
Senior Year - Spring 15 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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 2010 U.S. History: 1492-1877 3 hrs
   Required AMH 2020 U.S. History: 1877-Present 3 hrs
   Select one course from 1.B.1 list 3 hrs

2. Mathematical Foundations 6 hrs
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

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
UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)
   Select one of the following sequences of courses:
   - 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 or 6 hrs
     - British and European or 6 hrs
     - Latin American or 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.

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
    - 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
- 2 AMH 2020 U.S. History: 1877-Present 3 hrs
- may be substituted with:
  - 1 AMH 2010 is a prerequisite for subsequent American History courses.
  - 2 AMH 2020 is a prerequisite for subsequent American History courses.

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

Freshman Year - Spring 15 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - ENC 1102 Composition II 3 hrs
   - GEP 3 hrs

Sophomore Year - Fall 16 hrs
   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs

Sophomore Year - Spring 16 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - Core Course 3 hrs
   - Restricted Elective 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

Junior Year - Spring 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

Senior Year - Spring 13 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 4 hrs
UCF Degree Programs

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. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

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)
   D: Social Foundations (6 hrs)
      Select 1: 3 hrs
         Required ECO 2013 Principles of Macroeconomics or 3 hrs
         Required ECO 2023 Principles of Microeconomics or 3 hrs
   Select 1: 3 hrs
      Required PSY 2012 General Psychology or 3 hrs
      Required SYG 2000 Introduction to Sociology or 3 hrs
      Required ANT 2000 General Anthropology or 3 hrs
   E: Science Foundations (6 hrs)
      Select 1: 3 hrs
         Required MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
      Required CGS 2100C Computer Fundamentals for Business or 3 hrs
      Required STA 2023 Statistical Methods I or 3 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 2540 Guest Services Management I 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Quantitative Tools
MAC 1105C College Algebra GEP

Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or 3 hrs
   Required STA 2023 Statistical Methods I or 3 hrs

Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or 3 hrs
   Required ECO 2023 Principles of Microeconomics or 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
Sectoral Core (Choose 6 of the Following 7) 18 hrs
Select 6: 18 hrs
HFT 2254 Lodging Operations or 3 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 one of the following options to fulfill their hospitality management restricted elective requirement.

Restricted Electives 15 hrs
- Students must take 15 credit hours (five courses) from the following:

FSS 3068 Culture and Cuisine 3 hrs
FSS 4135 Corporate Contract and Managed Services 3 hrs
Organizations
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 3384 Golf and Club Enterprises Management 3 hrs
HFT 3654 Franchising in the Restaurant Industry 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3798 Pairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4253 Advanced Lodging Operations 3 hrs
HFT 4266 Hospitality Brand Management 3 hrs
HFT 4268 Case Studies in Restaurant Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
HFT 4343 Hospitality Facilities Management 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4473 Hospitality Development Analysis 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4532 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 4786 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4787 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 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
- Or Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

UCF Degree Programs
### UCF Degree Programs

#### Theme Park and Attraction Management Track 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry or HFT 4532</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions or HFT 4614</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions or HFT 4759</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry or HFT 4786</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry or HFT 4787</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events HFT 4795</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Golf and Club Management Track 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3354</td>
<td>Golf Planning &amp; Operations I or HFT 3354</td>
<td>2 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Agronomy for Golf Course Management or HFT 3355</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations or HFT 3357</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management or HFT 3384</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4359</td>
<td>Golf &amp; Club Facility Design HFT 4359</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Capstone Requirements
- None

### 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

### Electives
- 3-11 hours as necessary to result in 120 total credit hours.

### 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.

### Required Minors
- None

### Departmental Exit Requirements
- None

### 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
- 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 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry HFT 1000</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- CGS 2100C Computer Fundamentals for Business or CGS 2100C | 3 hrs |
- STA 2023 Statistical Methods I STA 2023 | 3 hrs |

#### Select 1:
- PSY 2012 General Psychology or PSY 2012 | 3 hrs |
- SYG 2000 Introduction to Sociology or SYG 2000 | 3 hrs |
- ANT 2000 General Anthropology ANT 2000 | 3 hrs |

#### Sophomore Year - Fall 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management HFT 2220</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 2002</td>
<td>Astronomy AST 2002</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- ECO 2013 Principles of Macroeconomics or ECO 2013 | 3 hrs |
- ECO 2023 Principles of Microeconomics or ECO 2023 | 3 hrs |

#### Select 1:
- HFT 2254 Lodging Operations or HFT 2254 | 3 hrs |
- HFT 2750 The Event Industry HFT 2750 | 3 hrs |

#### Sophomore Year - Spring 13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation HFT 2221C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting HFT 2401</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2204</td>
<td>Lodging Operations HFT 2204</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species ANT 2511</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall 14 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I HFT 3540</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry HFT 3603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting HFT 3431</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940</td>
<td>Internship I HFT 3940</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Junior Year - Spring 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4941</td>
<td>Internship II HFT 4941</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Select 4:
- HFT 3444 Hospitality Information Systems or HFT 3444 | 3 hrs |
- HFT 2750 The Event Industry or HFT 2750 | 3 hrs |
- HFT 3700 Tourism Management or HFT 3700 | 3 hrs |
- HFT 3263 Restaurant Management or HFT 3263 | 3 hrs |
- HFT 3273 Principles of Resort Timesharing or HFT 3273 | 3 hrs |
- HFT 4755 Theme Park and Attraction Management or HFT 4755 | 3 hrs |
- HFT 4277 Yacht, Country, And City Club Management HFT 4277 | 3 hrs |

#### Senior Year - Fall 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications HFT 4286</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance HFT 4464</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Internship III HFT 4944</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry HFT 4295</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Human Communication (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
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)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: (3 hrs)
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: (3 hrs)
- Required STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Required 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)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)

Speech
- SPC 1008 Fundamentals of Oral Communication or 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs

Statistics: (3 hrs)
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Computer Science: (3 hrs)
- 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)

Take all of the following: (12 hrs)
- COM 3011C Communication and Human Relations and 3 hrs
- COM 3120 Organizational Communication and 3 hrs
- COM 3311 Communication Research Methods and 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 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 Attitudes 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 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.
- 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
UCF Degree Programs

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
- None

Human Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall
- 13 hrs
  - ENC 1101 Composition I 3 hrs
  - GEP-Math 3 hrs
  - GEP 3 hrs
  - Foreign Language 4 hrs

Freshman Year - Spring
- 13 hrs
  - ENC 1102 Composition II 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - STA 2014C Principles of Statistics 3 hrs
  - Foreign Language 4 hrs

Sophomore Year - Fall
- 15 hrs
  - Core-Computer Science 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective (Consider a minor) 3 hrs

Sophomore Year - Spring
- 15 hrs
  - COM 3311 Communication Research Methods 3 hrs
  - COM 3011C Communication and Human Relations 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective (Consider a minor) 3 hrs

Junior Year - Fall
- 15 hrs
  - SPC 3301 Interpersonal Communication 3 hrs
  - COM 3120 Organizational Communication 3 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - GEP 3 hrs

Junior Year - Spring
- 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - Elective (Consider a minor) 3 hrs
  - External Restricted Elective 3 hrs

Junior Year - Summer
- 9 hrs
  - Restricted Elective Internship 3 hrs
  - Elective (Consider a minor) 3 hrs
  - Elective (Consider a minor) 3 hrs

Senior Year - Fall
- 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective (Consider a minor) 3 hrs
  - Elective (Consider a minor) 3 hrs

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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Humanities (B.A.)

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Harry Coverston
Phone: 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.
- No more than 3 courses (i.e., 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Suggested HUM 2210 Humanistic Tradition I 3 hrs
   - Suggested HUM 2230 Humanistic Tradition II 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - PHI 2010 Introduction to Philosophy or 3 hrs
   - REL 2300 World Religions 3 hrs

   Select 1:
   - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
   - Prefer REL 2300 World Religions 3 hrs
C: Mathematical Foundations (6 hrs)
Math (6 hrs)
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
Suggested MGF 1106 Finite 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 (6 hrs)
HUM 2210 Humanistic Tradition I GEP 3 hrs
HUM 2230 Humanistic Tradition II GEP 3 hrs
HUM 2020 Encountering the Humanities 3 hrs
HUM 4933 Senior Research Seminar 3 hrs
4. Core Requirements: Advanced Level (24 hrs)
Concentrations (choose one):
Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.
Classical Humanities 24 hrs
Western Traditions and Applications 9 hrs
ARH 4310 Italian Renaissance Art or 3 hrs
ARH 4170 Greek & Roman Art or 3 hrs
REL 3403 Christianity or 3 hrs
REL 3320 Mosies, Jesus and Muhammad or 3 hrs
CLT 3370 Classical Mythology or 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
1 PHH 3100 Ancient Philosophy or 3 hrs
1 PHH 3200 Medieval Philosophy or 3 hrs
1 PHH 3460 Modern Western Philosophy or 3 hrs
World Intellectual Traditions 6 hrs
ANT 3245 Native American Religions or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3363 Islam or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
PHI 3790 African Philosophy or 3 hrs
PHP 3781 African-American Philosophy or 3 hrs
REL 3340 Buddhist Thought or 3 hrs
Foundations 3 hrs
HUM 4301 The Classical Ideal or 3 hrs
Select 2: 6 hrs
HUM 3431 Ancient Humanities or 3 hrs
HUM 3435 Medieval Humanities or 3 hrs
HUM 3255 Modern Humanities or 3 hrs
1 Only one of these courses may be taken.
Multicultural Humanities 24 hrs
Traditions and Applications 15 hrs
ANT 3311 Indians of the Southeastern United States or 3 hrs
ARH 3520 African Art or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3363 Islam or 3 hrs
REL 3320 Mosies, Jesus and Muhammad or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs
PHI 3701 Native American Philosophy or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHI 3790 African Philosophy or 3 hrs
HUM 4823 Queer Theory in the Humanities or 3 hrs
Foundations 3 hrs
HUM 3320 Contemporary Multicultural Studies or 3 hrs
Select 1: 3 hrs
HUM 3431 Ancient Humanities or 3 hrs
HUM 3435 Medieval Humanities or 3 hrs
Select 1: 3 hrs
HUM 3252 Contemporary Humanities or 3 hrs
HUM 3255 Modern Humanities or 3 hrs
Critical Humanities 24 hrs
Foundations 9 hrs
HUM 3255 Modern Humanities and 3 hrs
HUM 3252 Contemporary Humanities and 3 hrs
PHI 4804 Critical Theory or 3 hrs
Traditions and Applications 15 hrs
HUM 4330 Performance Theory or 3 hrs
HUM 3294 Representations of Place and Space or 3 hrs
PHH 3510 Marx and Nietzsche or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHP 3786 Existentialism or 3 hrs
PHP 4782 Phenomenology or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
HUM 4823 Queer Theory in the Humanities or 3 hrs
5. Restricted Electives (3 hrs)
Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.
Select 1: 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 3800 Aesthetics or 3 hrs
Or other courses as approved by advisor 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. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.
8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
9. Additional Requirements
None
10. Required Minors
None
11. Departmental Exit Requirements
Earn a “C” (2.0) or better in each required course.
Departmental Exit Exam in final semester.
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.
UCF Degree Programs

Total Semester Hours Required
- 120
- Honors In Major (33 hrs)
  - Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.
  
Requirements are as follows:
- Honors Thesis
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities 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:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Core and Elective Requirements 33 hrs
- Same requirements as for regular majors.

Related Programs
- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- 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
- 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
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs
- Foreign Language 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
- Foreign Language 4 hrs

Select 1: 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 12 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 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

Senior Year - Spring 16 hrs
- HUM 4393 Senior Research Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- None

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu
Dr. Harry Coverston, Harry.Coverston@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)

Select 1: 3 hrs
- Suggested REL 2300 World Religions or 3 hrs
- Suggested PHI 2010 Introduction to Philosophy 3 hrs
### UCF Degree Programs

**Theoretical Foundations** 6 hrs

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

**Statistics-Computers** 3 hrs

Select a course from GEP C.2 list 3 hrs

**Core Requirements: Basic Level**

- **Philosophy** 6 hrs
  - PHI 2010 Introduction to Philosophy GEP
- **Religion** 6 hrs
  - REL 3333 Hinduism or REL 3353 Islam or REL 3363 Judaism or PHI 3750 The Problem of Evil 3 hrs

**Core Requirements: Advanced Level** (18 hrs)

#### Core Requirements

- **Philosophy** 6 hrs
  - PHI 3700 Philosophy of Religion or PHI 4814 Critical Theory or PHI 4300 Theories of Knowledge or PHI 2108 Critical Thinking or PHI 3720 Faith and Reason or PHM 3100 Freedom and Justice or PHI 3800 Aesthetics or PHP 3786 Existentialism 3 hrs

#### Religion

- **Comparative Mythology** 3 hrs
- **Christianity** or **Religion, Spirituality**, or **Popular Music** 3 hrs
- **Islam** or **The Problem of Evil** 3 hrs

#### Popular Culture Studies

- **Contemporary Media** 6 hrs
  - HUM 3320 Contemporary Multicultural Studies or HUM 4330 Performance Theory or PHI 3625 Virtual Ethics or PHI 4951 Philosophy in the News or POS 3235 Mass Media and Politics or POS 3258 Politics in Film or REL 3115 Religion, Spirituality, and Popular Music or REL 3111 Religion and Philosophy Through Film or SYP 3630 Popular Culture In Society 3 hrs

#### Contemporary Forms of Life

- **Sex, Gender and Culture** or **Family Values** or **Philosophy, Religion, and the Environment** or **Philosophy of Law** or **Ethical Issues in the 21st Century** or **Philosophy of Love** or **Feminist Theories** or **Philosophies of Embodiment: Mind/Body/Self** or **Religion in America** or **Queer Theory in the Humanities** 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.**
- **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, Popular Culture and Capstone**
  - **Same requirements as for regular majors**

- **b. Honors Thesis** 6 hrs
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

- **c. Additional Requirements of Honors in the Major**
  - **Application and admission through the Humanities Honors Coordinator**
  - **Fulfill University requirements for Honors in the Major**
  - **Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5**
  - **Successful completion and oral defense of Honors thesis**
  - **No more than 2 courses (i.e., 9 credit hours) 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**

- Humanities
- Philosophy
- Religion and Cultural Studies
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, 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 2311, 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 1003C 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 course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers & Scientists II 4 hrs
- Select one 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.
- 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
- PH 2049C Physics for Engineers & Scientists I GEP
- PH 2048C Physics for Engineers & Scientists II 4 hrs

Select 1: 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers or
- 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.
- EGN 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 and STA.
### Plan of Study (128 hrs)
- **Freshman Year - Fall**
  - ENC 1101: Composition I (3 hrs)
  - EGN 1006C: Introduction to the Engineering Profession (1 hr)
  - MAC 2311C: Calculus with Analytic Geometry I (4 hrs)
  - CHS 1440: Fundamentals of Chemistry for Engineers (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)
- **Freshman Year - Summer**
  - COP 2223: Introduction to Programming with C (3 hrs)
- **Select 1**: (3 hrs)
  - ECO 2013: Principles of Macroeconomics or Principles of Microeconomics (3 hrs)
- **Sophomore Year - Fall**
  - MAC 2313: Calculus with Analytic Geometry III (4 hrs)
  - PHY 2049C: Physics for Engineers and Scientists II (4 hrs)
  - STA 3023: Probability and Statistics for Engineers (3 hrs)
  - EIN 2002: Introduction to Industrial Engineering and Management Systems (1 hr)
  - GEP (3 hrs)
- **Sophomore Year - Spring**
  - MAP 2302: Ordinary Differential Equations I (3 hrs)
  - EGN 3310: Engineering Analysis-Statics (3 hrs)
  - MAS 3105: Matrix and Linear Algebra (4 hrs)
  - EIN 3351: Engineering Economic Analysis and Cost Engineering (3 hrs)
- **Sophomore Year - Summer**
  - GEP (3 hrs)
  - GEP (3 hrs)
- **Junior Year - Fall**
  - EIN 3314: Work Analysis and Design (3 hrs)
  - ESI 4312: Operations Research (3 hrs)
  - ESI 4628C: Industrial Engineering Applications of Computers (3 hrs)
  - ESI 4234: Quality Engineering (3 hrs)
- **Junior Year - Spring**
  - ESI 4221: Empirical Methods for Industrial Engineering (3 hrs)
  - EIN 4333: Production and Distribution Systems (3 hrs)
  - EIN 4391: Manufacturing Engineering (3 hrs)
  - EIN 4243C: Human Engineering (3 hrs)
- **Junior Year - Summer**
  - GEP (3 hrs)
  - GEP (3 hrs)
  - EGN 3343: Thermodynamics (3 hrs)
- **Senior Year - Fall**
  - Restricted Elective (4 hrs)
  - EGN 4524: Engineering Administration (3 hrs)
  - ESI 4533C: Systems Simulation (3 hrs)
  - EIN 4364: Facilities Planning (3 hrs)
- **Senior Year - Spring**
  - EIN 4891C: Industrial Engineering Senior Design Project (3 hrs)
  - EGN 3373: Principles of Electrical Engineering (3 hrs)
  - EIN 4517: Systems Engineering (3 hrs)

### Related Programs
- Mechanical Engineering
- Management Systems

### Certificates
- None

### Related Minors
- None

### Honors In Major
- None

### 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

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### Select 1:
- EGN 3358: Thermo-Fluids-Heat Transfer or (3 hrs)
- EGN 3343: Thermodynamics (3 hrs)

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

### 5. Restricted Electives (7 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
- None

### 11. Departmental Exit Requirements (3 hrs)
- EIN 4891C: Industrial Engineering Senior Design 3 hrs

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### Tentative Course Schedule for Entering Freshmen:
- Follow the course schedule for the first two years listed below.

**Freshman Year - Fall**
- MAC 2311C: Calculus with Analytic Geometry I 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- ENC 1101: Composition I 3 hrs
- CHS 1440: Fundamentals of Chemistry for Engineers 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

**Freshman Year - Summer**
- COP 2223: Introduction to Programming with C 3 hrs

**Select 1:**
- ECO 2013: Principles of Macroeconomics or Principles of Microeconomics 3 hrs

**Sophomore Year - Fall**
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- STA 3023: Probability and Statistics for Engineers 3 hrs
- EIN 2002: Introduction to Industrial Engineering and Management Systems 1 hr

**Sophomore Year - Spring**
- MAP 2302: Ordinary Differential Equations I 3 hrs
- EGN 3310: Engineering Analysis-Statics 3 hrs
- MAS 3105: Matrix and Linear Algebra 4 hrs
- EIN 3351: Engineering Economic Analysis and Cost Engineering 3 hrs

**Sophomore Year - Summer**
- GEP 3 hrs
- GEP 3 hrs

**Junior Year - Fall**
- EIN 3314: Work Analysis and Design 3 hrs
- ESI 4312: Operations Research 3 hrs
- ESI 4628C: Industrial Engineering Applications of Computers 3 hrs
- ESI 4234: Quality Engineering 3 hrs

**Junior Year - Spring**
- ESI 4221: Empirical Methods for Industrial Engineering 3 hrs
- EIN 4333: Production and Distribution Systems 3 hrs
- EIN 4391: Manufacturing Engineering 3 hrs
- EIN 4243C: Human Engineering 3 hrs

**Junior Year - Summer**
- GEP 3 hrs
- GEP 3 hrs
- EGN 3343: Thermodynamics 3 hrs

**Senior Year - Fall**
- Restricted Elective 4 hrs
- EGN 4524: Engineering Administration 3 hrs
- ESI 4533C: Systems Simulation 3 hrs
- EIN 4364: Facilities Planning 3 hrs

**Senior Year - Spring**
- EIN 4891C: Industrial Engineering Senior Design Project 3 hrs
- EGN 3373: Principles of Electrical Engineering 3 hrs
- EIN 4517: Systems Engineering 3 hrs

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UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

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: $38 per term
- Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346
http://www.eecs.ucf.edu/
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- “C” (2.0) or better 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 Oral Presentations or SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

Required STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
- Suggested MAC 1105C College Algebra or MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)

Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2053C College Physics I 4 hrs
- Select one class from Science Foundations 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 GEP
PSY 2012 General Psychology GEP
PHY 2053C College Physics I GEP
COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
CGS 2545C Database Concepts 3 hrs
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- MAD 2104 Foundations of Discrete Math or 3 hrs
- COT 3100C Introduction to Discrete Structures 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 46 hrs

COP 3502C Computer Science I 3 hrs
CIS 336O Security in Computing 3 hrs
CAP 4104 Human and Technology Interaction 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Network Concepts 3 hrs
CIS 3303 Fundamentals of Information Technology 3 hrs
CIS 4313 Managing IT Integration 3 hrs
CNT 4714 Enterprise Computing 3 hrs
CNT 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
CGS 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 4393 Documentation and the Collaborative Process or ENC 4265 Writing for the Computer Industry or ENC 4414 Writing and Hypertext or ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or ENC 3211 Theory and Practice of Technical Writing or 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.
- 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
<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Freshman Year - Fall</th>
<th>12 hrs</th>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>SPC 1603C: Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
<td>Free Elective</td>
<td>4 hrs</td>
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<tr>
<td></td>
<td>COP 2223: Introduction to Programming with C</td>
<td>3 hrs</td>
<td>COP 4910: Frontiers in Information Technology</td>
<td>3 hrs</td>
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<td></td>
<td>MAC 1103C: College Algebra or MAC 1140: Pre-Calculus Algebra</td>
<td>3 hrs</td>
<td>CNT 4714: Enterprise Computing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- 3 hrs

**Freshman Year - Spring | 15 hrs**

- ENC 1102: Composition II | 3 hrs
- MAC 1114C: College Trigonometry | 3 hrs
- COP 3502C: Computer Science I | 3 hrs
- ECO 2013: Principles of Macroeconomics | 3 hrs
- PSY 2012: General Psychology | 3 hrs

**Sophomore Year - Fall | 16 hrs**

- MAD 2104: Foundations of Discrete Math | 3 hrs
- COP 3330: Object Oriented Programming | 3 hrs
- PHY 2053C: College Physics I | 4 hrs
- CIS 3003: Fundamentals of Information Technology | 3 hrs
- GEP | 3 hrs

**Sophomore Year - Spring | 15 hrs**

- CGS 3269: Computer Architecture Concepts | 3 hrs
- STA 2023: Statistical Methods I | 3 hrs
- CGS 2545C: Database Concepts | 3 hrs
- GEP | 3 hrs

**Junior Year - Fall | 16 hrs**

- CAP 4104: Human and Technology Interaction | 3 hrs
- PHY 2054C: College Physics II | 4 hrs
- CNT 3004: Computer Network Concepts | 3 hrs
- CIS 3360: Security in Computing | 3 hrs

**Select 1:**

- 3 hrs

- ENC 3241: Writing for the Technical Professional or ENC 3211: Theory and Practice of Technical Writing or ENC 3250: Professional Writing | 3 hrs

**Junior Year - Spring | 15 hrs**

- CIS 4313: Managing IT Integration | 3 hrs
- PHI 3626: Advanced Ethics in Science and Technology | 3 hrs
- GEP | 3 hrs
- CGS 3763: Operating System Concepts | 3 hrs

**Select 1:**

- 3 hrs

- ENC 4265: Writing for the Computer Industry or ENC 4293: Documentation and the Collaborative Process or ENC 4414: Writing and Hypertext or ENC 4415: Digital Rhetorics and The Modern Dialectic | 3 hrs

**Senior Year - Fall | 16 hrs**

- CNT 4703C: Design and Implementation of Computer Communication Networks | 3 hrs
- CIS 4004: Web-Based Information Technology | 3 hrs
- Restricted Elective | 3 hrs
- Free Elective | 4 hrs
- CNT 4603: System Administration and Maintenance | 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: $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
UCF Degree Programs

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 credit 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.oears.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies Track (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building 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.
UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
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<tr>
<td>PCB 5045</td>
<td>Conservation Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>Ecosystems of Florida</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541  Biobehavioral Anthropology  3 hrs
- BOT 3802  Ethnobotany  3 hrs
- ECO 4303  Environmental and Natural Resource Economics  3 hrs
- ENC 3211  Theory and Practice of Technical Writing  3 hrs
- ENC 3241  Writing for the Technical Professional  3 hrs
- ENC 4360  Nature Writing  3 hrs
- INR 4351  International Environmental Law  3 hrs
- PUP 3330  Environmental Law  3 hrs
- PUP 4209  Urban and Regional Planning  3 hrs
- PUP 4351  Issues in Environmental Program  3 hrs
- PHI 3033  Philosophy, Religion, and the Environment  3 hrs
- PHI 3640  Environmental Ethics  3 hrs
- PHI 4400  Philosophy of Science  3 hrs
- PHI 4633  Ethics and Biological Science  3 hrs
- PHM 4031  Environmental Philosophy  3 hrs
- PLA 4554  Environmental Law  3 hrs
- PUP 3204  Sustainability  3 hrs
- PUP 4209  Urban and Environmental Policy  3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics
Interdisciplinary Studies - Women's Studies Track
(B.A.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
Program in Women's Studies, Colbourn Hall, Room: 411
http://www.is.ucf.edu
Email: is@ucf.edu

Admission Requirements
None

Degree Requirements
None

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: Basic Level
None

5. Restricted Electives (36 hrs)
Students must complete either 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

Area
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

Area
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 4461 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 3556 Advanced Feminist Theories or 3 hrs
LIN 4643 Cross Cultural Communication or 3 hrs
PEM 2405 Self Defense for Women and Men 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
SOP 2772 Sexual Behavior or 3 hrs
SOP 3784 Psychology of Diversity or 3 hrs
SYD 3700 Race and Ethnicity or 3 hrs
SYD 4100 Family Trends or 3 hrs
SYD 4200 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
- Women’s Studies

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 credit 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.oears.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
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/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)
   - Preferred WOH 2012 World Civilization I 3 hrs
   - Preferred WOH 2022 World Civilization II 3 hrs
   - Required One course from GEP D.2 list 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Preferred POS 2041 American National Government GEP 3 hrs
   - Preferred POS 3703 Scope and Methods of Political Science 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 Exam.

   Statistics:
   - Preferred STA 2014C Principles of Statistics or 3 hrs
   - Preferred STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - May substitute a more advanced STA course. 3 hrs

   D: Social Foundations (6 hrs)
   - Preferred 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-Theory 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 4643  Government and Politics of Russia 3 hrs
  CPO 4710  Women in Comparative Politics 3 hrs
  INR 2530  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
  1 INR 4941  Internship 3 hrs
  POS 3253  Contemporary Revolution and Political Violence 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
- 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
- None

Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test – http://utl.sdes.ucf.edu

Freshman Year - Fall 16 hrs
- POS 2041 American National Government 3 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- GEP-Math 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- WOH 2022 World Civilization II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 16 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- CPO 3103 Comparative Politics 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 2 hrs

Senior Year - Spring 12 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Journalism (B.A.)**
College of Sciences
Nicholson School of Communication, NSC, Room: 143
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 2.25 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.
- 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.
UCF Degree Programs

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II and 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

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
- Prefer AMH 2020 U.S. History: 1877-Present and 3 hrs

Group 2: Select a course from group 2. 3 hrs
- Suggested CGS 1060C Introduction to Computers or
- Suggested STA 2014C Principles of Statistics or
- 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.

C: Mathematical Foundations (6 hrs)
- Statistics-Computers: 3 hrs
- Suggested CGS 1060C Introduction to Computers or
- Suggested STA 2014C Principles of Statistics

Math: 3 hrs
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
- Group 1: 3 hrs
- Prefer POS 2041 American National Government
- Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)
- 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 and 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 and 3 hrs
- MMC 3200 Mass Communication Law and 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 4308C 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 Photojournalism I 3 hrs
- PGY 3620C Photojournalism II 3 hrs
- PGY 3630 Internship 3 hrs
- PGY 3630 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.
## UCF Degree Programs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 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
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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#### Freshman Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Stat or CS</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 2004 Mass Media</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100C News Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 3004 History of American Journalism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 3015 Principles of Journalism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective-Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
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#### Junior Year - Summer
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective-Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submit Journalism Portfolio</td>
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</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
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<tr>
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<td>3 hrs</td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oesas.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: 112**
**Email:** latinamerica@ucf.edu
**Phone:** 407-823-1173

### Admission Requirements
- None

### Major Requirements
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4332 People and Cultures of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEA 4405 Geography of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3200 Modern Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAS 3001 Topics in Latin American Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAS 3101 Latin American Popular Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
- In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

### 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.
UCF Degree Programs

- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required 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)
   Suggested STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
- 3 hrs
  Suggested MGF 1106 Finite Mathematics or
  Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer ANT 2000 General Anthropology 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- None

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (3 hrs)
   LAS 3001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   ANT 4532 People and Cultures of Latin America 3 hrs
   GEA 4405 Geography of Latin America 3 hrs
   LAH 3200 Modern Latin America 3 hrs
   LAS 3101 Latin American Popular Culture 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 as detailed below.
   - 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 Anthropology of Diaspora 3 hrs
   - ANT 3330 Cultural Ecology of Amazonia 3 hrs
   - ANT 3344 Puerto Rican Culture 3 hrs
   - ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
   - ANT 4340 Caribbean Cultures 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. No more than six (6) hours can overlap between the 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 3662 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

   **HUMANITIES**
   - HUM 3460 Latin American Humanities 3 hrs

   **INTERNATIONAL RELATIONS**
   - INR 4243 International Politics of Latin America 3 hrs

   **LATIN AMERICAN STUDIES**
   - LAS 4023 African Caribbean Experience 3 hrs

   **POLITICS**
   - CPO 3034 Politics of Developing Areas 3 hrs
   - CPO 3103 Comparative Politics 3 hrs
   - CPO 4074 Political Economy 3 hrs
   - CPO 4794 Indigenous Politics and the Environment 3 hrs
   - CPO 4303 Comparative Latin American Politics 3 hrs

   **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:
     A formal study-abroad program on Latin America of at least 45 contact hours equalling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic Internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.
   - Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, 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.

   Graduation
   - None

8. Electives
   - Variable
   - Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

9. Additional Requirements
   - None
10. Required Minors

- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- 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. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing
  - Public Administration
  - Spanish
  - Technological Entrepreneurship
  - Urban and Regional Planning
  - Women’s Studies

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

- No more than six (6) hours can overlap between the major and the minor
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing

13. Honors In Major

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

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

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs
Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
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)
UCF Degree Programs

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.
   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:
   PLA 4703 Professional Ethics and Liability 3 hrs
   PLA 3615 Property and Real Estate Law 3 hrs
   PLA 4935 Capstone: Legal Issues 3 hrs

6. Capstone Requirements (3 hrs)
   Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.
   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.

8. Electives
   None

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
   Business Administration

Certificates
   Public and Professional Writing

Related Minors
   Business
   Criminal Justice
   Crime, Law, and Deviance
   Political Science
   Public Administration
   Sociology
   Writing and Rhetoric

Advising Notes
   None

Transfer Notes
   Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
   None

Plan of Study

Freshman Year - Fall 14 hrs
   ENC 1101 Composition I 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   PAF 2102 Public Affairs Careers 2 hrs
   Select 1: 3 hrs
   SYG 2000 Introduction to Sociology 3 hrs
   Select 1: 3 hrs
   BSC 1005 Introduction to Biotechnology and Genetic Engineering 3 hrs
   Free Elective 3 hrs

Freshman Year - Spring 15 hrs
   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
   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

Sophomore Year - Fall 16 hrs
   SPC 1608 Fundamentals of Oral Communication 3 hrs
   Free Elective 3 hrs
Program Academic Learning Compacts
Select one: 3 hrs
PSC 1121 Physical Science or 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
Select one: 3 hrs
EUE 2000 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
Sophomore Year - Spring 16 hrs
PLA 3013 Law and the Legal System 3 hrs
Free Elective 3 hrs
Elective/Minor 3 hrs
Select one: 3 hrs
EUE 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
Junior Year - Fall 15 hrs
PLA 3108 Legal Research 3 hrs
PLA 3205 Civil Practice and Procedure 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Junior Year - Spring 15 hrs
PLA 3155 Legal Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Senior Year - Fall 15 hrs
PLA 3615 Property and Real Estate Law 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs
Elective/Minor 3 hrs
Elective/Minor 3 hrs
Internship or Restricted Elective 3 hrs
Senior Year - Spring 15 hrs
PLA 4935 Capstone: Legal Issues 3 hrs
Restricted Elective 3 hrs
Elective/Minor 3 hrs
Elective/Minor 3 hrs
Internship or Restricted Elective 3 hrs
Program Academic Learning Compacts
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 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. 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 Management, Entrepreneurship, and Human Resources 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 Management, Entrepreneurship, and Human Resources courses in the subsequent term, that student will be dropped as a Management major. A student who is dropped may seek re-admittance as a Management major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Management, Entrepreneurship, and Human Resources GPA of 2.0 or higher. Readmission is not automatic.
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 4 hrs
MAN 4720 Strategic Management 4 hrs
1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Prefer MAC 1105C College Algebra 3 hrs
D: Social Foundations (6 hrs)
Select one: 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
Select one: 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2303 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

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.

UCF Degree Programs
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

1 Required in 1st or 2nd semester
2 Must 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:

  a. Human Resource Management Track 24 hrs

     Required Courses 15 hrs
     - MAN 3301 Management of Human Resources and Development 3 hrs
     - MAN 4240 Organizations: Theory and Behavior and Selection and Development 3 hrs
     - MAN 4320 Human Resources Recruitment and Selection and Development 3 hrs
     - MAN 4330 Compensation Administration and Development 3 hrs
     - MAN 4350 Training and Development 3 hrs

     Restricted Elective Courses 9 hrs
     - BUL 4540 Employment Law 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

  b. General Management Track 24 hrs

     Required Courses 15 hrs
     - MAN 3301 Management of Human Resources and Development 3 hrs
     - MAN 3520 Quality & Productivity Management and Development 3 hrs
     - MAN 4240 Organizations: Theory and Behavior and Selection and Development 3 hrs
     - MAN 4441 Conflict Resolution and Negotiation and Development 3 hrs
     - MAN 4701 Business Ethics and Society 3 hrs

     Restricted Elective Courses 9 hrs
     - 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

  c. Entrepreneurship Track 24 hrs

     Required Courses 15 hrs
     - MAN 3113 Creativity and Entrepreneurship and
     - GEB 4110 Business Plan Preparation and
     - GEB 4111 New Venture Finance and
     - MAN 4802 New Venture and Small Business Management and
     - MAR 3765 Entrepreneurial Marketing 3 hrs

     Restricted Elective Courses 9 hrs
     - 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 4 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 and
- MAR 3023 Marketing 4 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
- None
### UCF Degree Programs

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics. and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Any student receiving a business degree must complete 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**
- ACG 2021 Principles of Financial Accounting 3 hrs may be substituted with: ACG X011
- ACG 2021 Principles of Financial Accounting 3 hrs may be substituted with: ACG X001

**Plan of Study**
- Must complete 9 hours in a summer semester.

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

### Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

### Sophomore Year - Fall
- 1 ACG 2021 Principles of Financial Accounting 3 hrs
- 1 ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Soc/Art 3 hrs
- Elective 3 hrs

### Sophomore Year - Spring
- 1 ACG 2071 Principles of Managerial Accounting 3 hrs
- 1 ECO 2013 Principles of Macroeconomics 3 hrs
- 1 ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

### Human Resource Management Track

#### Junior Year - Fall
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3205 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

#### Junior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3301 Management of Human Resources 3 hrs

### Senior Year - Fall
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4320 Human Resources Recruitment and Selection 3 hrs
- MAN 4330 Compensation Administration 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring
- MAN 4350 Training and Development 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Entrepreneurship Track

#### Junior Year - Fall
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3113 Creativity and Entrepreneurship 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

#### Junior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 4802 New Venture and Small Business Management 3 hrs

### Senior Year - Fall
- GEB 3375 Introduction to International Business 4 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring
- GEB 4110 Business Plan Preparation 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### General Management Track

#### Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 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 4 hrs
- MAR 3023 Marketing 4 hrs

#### Junior Year - Spring
- GEB 3375 Introduction to International Business 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- MAN 3520 Quality & Productivity Management 3 hrs

#### Senior Year - Fall
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs

#### Senior Year - Spring
- MAN 4441 Conflict Resolution and Negotiation 3 hrs
- MAN 4701 Business Ethics and Society 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs
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: $15 per term
- Full-Time Student: $30 per term

Marketing (B.S.B.A.)
College of Business Administration
Department of Marketing,
Business Administration II, Room: 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 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 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 an Marketing major. A student who is dropped may seek remittance as an Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an 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 4 hrs

1. UCF General Education Program (GEP) (36 hrs)
   - Communication Foundations (9 hrs)
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs
     - Prefer MAC 1105C College Algebra 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1:
     - Suggested ECO 2013 Principles of Macroeconomics or
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs

   Select 1:
   - Suggested PSY 2012 General Psychology or
   - Suggested ANT 2000 General Anthropology 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.

   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.
     - ECO 3401 Quantitative Business Tools I 3 hrs
     - MAC 2233 Concepts of Calculus and
     - STA 2023 Statistical Methods I 3 hrs

   3. Core Requirements: Basic Level
      - None

   4. Core Requirements: Advanced Level (50 hrs)
      - First or subsequent semester in the College of 32 hrs
      - Business Administration:
        - 1 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 4 hrs
        - BUL 3130 Legal and Ethical Environment of Business 4 hrs
        - ECO 3411 Quantitative Business Tools II 4 hrs
        - FIN 3403C Business Finance 3 hrs
        - MAN 3025 Management of Organizations 4 hrs
        - MAR 3023 Marketing 4 hrs
        - MAR 3203 Supply Chain and Operations Management 4 hrs

   1 Required in 1st or 2nd semester

   Required Courses 15 hrs
   - MAR 3391 Professional Selling 3 hrs
   - MAR 3503 Consumer Behavior 3 hrs
   - MAR 3613 Marketing Analysis and Research 3 hrs
   - MAR 4603 Marketing Management 3 hrs
   - MAR 4604 Marketing Strategy 3 hrs

   5. Restricted Electives (9 hrs)
   - 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  9 hrs
- 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:  9 hrs
- MAR 3403  Sales Force Management and 3 hrs
- MAR 4415C  Advanced Professional Selling and 3 hrs
- MAR 4413C  Strategic Issues in Sales-Lecture  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:
  - GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
  - GEB 3031L  Cornerstone Lab: Professional Skills for Business  1 hr
- MAR 3023  Marketing  4 hrs
- MAN 3025  Management of Organizations  4 hrs
- FIN 3403C  Business Finance  4 hrs

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - (Variable)

9. Additional Requirements
   - 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 re-admission 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. Re-admission 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 of 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  15 hrs
- ENC 1101  Composition I  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- Cul-Hist I  3 hrs
- Elective  3 hrs
- Elective  3 hrs

Freshman Year - Spring  15 hrs
- ENC 1102  Composition II  3 hrs
- MAC 1105C  College Algebra  3 hrs
- CGS 2100C  Computer Fundamentals for Business  3 hrs
- Cul-Hist II  3 hrs
- Art/Music/Lit  3 hrs

Sophomore Year - Fall  15 hrs
- ECO 2023  Principles of Microeconomics  3 hrs
- ACG 201  Principles of Financial Accounting  3 hrs
- Science  3 hrs
- Psy/Ant/Soc  3 hrs
- Elective  3 hrs

Sophomore Year - Spring  15 hrs
- ECO 201  Principles of Macroeconomics  3 hrs
- ACG 2071  Principles of Managerial Accounting  3 hrs
- ECO 3401  Quantitative Business Tools I  3 hrs
- Science  3 hrs
- Elective  3 hrs
UCF Degree Programs

Junior Year - Fall
ECO 3411 Quantitative Business Tools II 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs

Sophomore Year - Spring
MAR 3301 Professional Selling 3 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
MAR 3503 Consumer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
FIN 3403C Business Finance 4 hrs

Senior Year - Fall
MAR 4803 Marketing Management 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR Elective 3 hrs
MAR Elective 3 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs

Senior Year - Spring
MAN 4720 Strategic Management 4 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR Elective 3 hrs
GE Non-Business Elective 3 hrs

Marketing: Professional Selling Track
Freshman Year - Fall
ENC 1101 Composition I 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Cult-Hist I 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
MAC 1105C College Algebra 3 hrs
CSS 2100C Computer Fundamentals for Business 3 hrs
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs

Sophomore Year - Fall
ECO 2023 Principles of Microeconomics 3 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
Restricted Elective 3 hrs
Science 3 hrs
Psy/Soc/Art 3 hrs

Sophomore Year - Spring
ECO 2013 Principles of Macroeconomics 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
Restricted Elective 3 hrs
Science 3 hrs

Junior Year - Fall
ECO 3411 Quantitative Business Tools II 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs

Junior Year - Spring
MAR 3391 Professional Selling 3 hrs
MAR 3403 Sales Force Management 3 hrs
FIN 3403C Business Finance 4 hrs
MAR 3503 Consumer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs

Senior Year - Fall
MAR 4803 Marketing Management 3 hrs
MAR 4415C Advanced Professional Selling 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs

Senior Year - Spring
MAN 4720 Strategic Management 4 hrs
MAR 4804 Marketing Strategy 3 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
MAR 4412C Strategic Issues in Sales-Lecture 3 hrs
GE Non-Business Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics (B.S.)
College of Sciences
Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

The university offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with with the word Honors in the title. These are for students in the Honors Program.

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 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs

Note: the following courses will not satisfy any Math degree requirements:
- MTG 4404 History of Mathematics 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
- Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - Required COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
- Required ECO 2023 Principles of Microeconomics or Government 3 hrs
  - Suggested POS 2041 American National

2. Select a listed course 3 hrs
E: Science Foundations (8 hrs)
- Check track requirements before selecting.
  Required
  PHY 2048C Physics for Engineers & Scientists I 4 hrs
  Suggested
  BSC 2010C Biology I 4 hrs

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.
  COP 3502C Computer Science I GEP
  MAC 2311C Calculus with Analytic Geometry I GEP/CPP
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Ordinary Differential Equations I 3 hrs
- Select from the following:
  CHM 2045C Chemistry Fundamentals I GEP
- or
  CHM 2040 Chemistry Fundamentals IA and GEP/CPP
  CHM 2041 Chemistry Fundamentals IB GEP
- or
  BSC 2010C Biology I or
  PHY 2048C Physics for Engineers & Scientists I GEP

3. Core Requirements: Basic Level (15 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
  COP 3502C Computer Science I and GEP/CPP
  MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
  MAC 2312 Calculus with Analytic Geometry II and CPP
  MAC 2313 Calculus with Analytic Geometry III and CPP
  MAP 2302 Ordinary Differential Equations I and CPP
Basic Core: Additional requirements
  MAS 3105 Matrix and Linear Algebra and GEP
  MAS 3106 Linear Algebra 4 hrs
- and depending on concentration, select 3 hrs
  - Can use for all Concentrations
    MTH 3302 Logic and Proof in Mathematics 3 hrs
- or acceptable in Computational Concentration;
  COT 3100C Introduction to Discrete Structures 3 hrs

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 GEP/CPP
      BSC 2011C Biology II 4 hrs
  - Chemistry: 4 hrs
    - Satisfies the General, Economics, and Computational concentrations.
    - Required in Mathematical Biology Concentration
      CHM 2046 Chemistry Fundamentals I and GEP/CPP
      CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - Physics: 4 hrs
    - Satisfies the General, Economics, and Computational concentrations.
    - Required in Mathematical Biology and Engineering Physics Concentration
      PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
      PHY 2049C Physics for Engineers & Scientists II 4 hrs

4. Core Requirements: Advanced Level (7 hrs)
  MAA 4226 Advanced Calculus I 4 hrs
  MAS 4301 Abstract Algebra I 3 hrs

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, MAS, or MTG prefix, offered by the Department of Mathematics except MTG 4212.

B. Mathematical Biology Concentration 45 hrs
- Students are to have completed these courses in the GEP and CPP
  BSC 2010C Biology I 4 hrs
  BSC 2011C Biology II 4 hrs
  CHM 2045C Chemistry Fundamentals I 4 hrs
  or the two semester equivalent

Complete all of the following
  CHM 2211 Organic Chemistry I 3 hrs
  CHM 2212 Organic Chemistry II 3 hrs
  MAP 4484 Mathematical Biology I 3 hrs
  PHY 2048C Physics for Engineers & Scientists I GEP/CPP
  PHY 2049C Physics for Engineers and Scientists II 4 hrs
  STA 2023 Statistical Methods I 3 hrs
  STA 4321 Statistical Theory I 3 hrs
  STA 4322 Statistical Theory II 3 hrs
- 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, MAS, or MTG prefix, offered by the Department of Mathematics except MTG 4212.

Select from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs.

C. Mathematical Economics Concentration 39 hrs
- Students are to have completed this course in the GEP
  ECO 2013 Principles of Macroeconomics 3 hrs

Complete all of the following
  ECO 2023 Principles of Microeconomics 3 hrs
  ECO 3011 Intermediate Microeconomics 3 hrs
  ECO 3203 Intermediate Macroeconomics 3 hrs
  ECO 3410 Mathematical Economics 3 hrs
  ECO 4412 Econometrics 3 hrs
  STA 2023 Statistical Methods I 3 hrs
  STA 4321 Statistical Theory I 3 hrs
- Select from the following 9 hrs
  ECO 3703 International Microeconomics or
  ECO 4504 Public Economics or
  ECO 4713 International Macroeconomics or
  ECP 4303 Environmental and Natural Resource Economics or
  ECP 4403 Industrial Organization and Game Theory or
  STA 4322 Statistical Theory II 3 hrs
- Select 1 3 hrs
  MAP 4113 Probability, Random Processes and Applications or
  MAP 4171 Optimization or
  MAP 4303 Ordinary Differential Equations II or
  MAP 4341 Introduction to Partial Differential Equations or
  MAP 4371 Numerical Methods for Differential Equations or
  MAP 4384 Numerical Methods for Computational Sciences 3 hrs
UCF Degree Programs

- Select 1 3 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory 3 hrs

D. Computational Concentration 46 hrs

Complete all the following
COP 3502C Computer Science I or 3 hrs
COP 3503C Computer Science II or 3 hrs
MAP 4303 Ordinary Differential Equations II or 3 hrs
MAP 4304 Numerical Analysis or 3 hrs
STA 2023 Statistical Methods I or 3 hrs
STA 4321 Statistical Theory I or 3 hrs
STA 4322 Statistical Theory II or 3 hrs

- Select 1 3 hrs
MAP 4371 Numerical Methods for Differential Equations or 3 hrs
MAP 4384 Numerical Methods for Computational Sciences or 3 hrs

- Select from the following 18 hrs
COP 3402 Systems Software or 3 hrs
COP 3409 Programming Languages I or 3 hrs
COP 3431C Processes for Object-Oriented Software Development or 3 hrs
COP 4600 Operating Systems or 3 hrs
COT 4210 Discrete Structures II or 3 hrs
EEL 4768 Computer Architecture or 3 hrs

Complete all the following 18 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EGN 3366 Engineering Analysis or 2 hrs
EEL 3470 Electromagnetic Fields or 3 hrs
EEL 3552C Analog and Digital Communication or 4 hrs

E. Engineering/Physics Concentration 42 hrs

- Select 1 3 hrs
MA 4202 Introduction to Complex Variables or 3 hrs
MA 4203 Introduction to Combinatorics or 3 hrs
MA 4301 Introduction to Graph Theory or 3 hrs

Students are to have completed the following to satisfy the GEP and CPP:

- Select 1 3 hrs
COT 4500 Numerical Calculus or 3 hrs
EGN 3321 Engineering Analysis-Dynamics and 3 hrs
EGN 4401 Engineering Analysis-Dynamics and 3 hrs
PHY 2048C Physics for Engineers & Scientists I or 3 hrs

- Select 2 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
EEE 3342C Digital Systems or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EGN 3366 Engineering Analysis or 2 hrs
EGN 3613 Engineering Economic Analysis or 3 hrs
EEL 3470 Electromagnetic Fields or 3 hrs
EEL 3552C Analog and Digital Communication or 4 hrs

Rule, and nine hours of Summer credit.
CLEP, Credit by Exam, and Armed Forces credits permitted.
Students are to have completed this course in residency at UCF.

12. University Minimum Exit Requirements

- None

7. Foreign Language Requirements
Admissions
- None
8. Electives
- None

9. Additional Requirements
- None
- None

11. Departmental Exit 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
- 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.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Spring
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- GEP 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAA 3402 Introduction to Complex Variables 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4301 Introduction to Partial Differential Equations 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3106 Linear Algebra 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs
- Elective 3 hrs

Junior Year - Fall
- MAA 4227 Advanced Calculus II 3 hrs
- MAS 3105 Matrix and Linear Algebra 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- GEP 3 hrs

Junior Year - Spring
- MAA 4402 Introduction to Complex Variables 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs
- Elective 3 hrs

Senior Year - Fall
- MAD 4301 Introduction to Combinatorics 3 hrs
- MAP 4371 Numerical Methods for Differential Equations 3 hrs
- Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Spring
- MAD 4301 Introduction to Combinatorics 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics Education (B.S.)

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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.
UCF Degree Programs

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.
- 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) (37 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs
- Prefer ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer AMH 2010 U.S. History: 1849-1877 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 PGS 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
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 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) (17 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
- MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 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 (6 hrs)
- Students should consult advisor regarding course options.
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- STA 2023 Statistical Methods I GEP 3 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

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.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements (18 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.

Internship I Block (7 hrs)
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application 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/
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 3940 Internship 3 hrs

Specialization Requirements (23 hrs)
- A grade of “C-” (1.75) or better is required.
- 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 2422 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- MAE 4534 Programs in Teaching of Mathematics 3 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 the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended 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

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
Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering I, Room: 307

http://www.mmae.ucf.edu
Email: mmaegrad@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 2311, 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

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.
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)

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.
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 
ENC 1101  Composition I  3 hrs
MAC 2311C  Calculus with Analytic Geometry I  4 hrs
PSC 1121  Physical Science  3 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs

Select 1:
ANT 2511  The Human Species or 3 hrs
BSC 1005  Biological Principles  3 hrs

Freshman Year - Summer
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHI 2101  Introduction to Philosophy  3 hrs
PSY 1112  General Psychology  3 hrs

Sophomore Year - Fall
EDF 2005  Introduction to the Teaching Profession  3 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs
MHF 3302  Logic and Proof in Mathematics  3 hrs
POS 2041  American National Government  3 hrs
STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Spring
EME 2040  Introduction to Technology for Educators  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
MAS 3105  Matrix and Linear Algebra  4 hrs
MAS 3203  Introduction to Number Theory  3 hrs
EDF 2130  Child and Adolescent Development for Educators  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.

Junior Year - Fall
EDF 4467  Learning and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EEX 4243  Teaching Exceptional Students in Secondary Settings  3 hrs

Junior Year - Spring
RED 4040  Content Reading in Kindergarten through Grade 12  3 hrs
MAE 4634  Programs in Teaching of Mathematics  3 hrs
STA 4163  Statistical Methods II  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Senior Year - Fall
MAE 3940  Internship  3 hrs
EDF 4693  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
MHF 4404  History of Mathematics  3 hrs
MAE 4360  Mathematics Instructional Analysis  4 hrs

Senior Year - Spring
MAE 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
UCF Degree Programs

Select 1: Required Courses: Basic 2 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
   Required STA 3032 Probability and Statistics for Engineers

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
   Prefer ECO 2023 Principles of Microeconomics 3 hrs
   Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
   Required PHY 2048C Physics for Engineers & Scientists I
   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.

3. Core Requirements: Basic Level (2 hrs)
   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.
   EGN 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 3273 Principles of Electrical Engineering 3 hrs
   STA 3032 Probability and Statistics for Engineers 3 hrs
   EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   EML 3303C Mechanics of Elementary Materials 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 3301 Thermodynamics of Mechanical Systems or 3 hrs
   EML 4143 Heat Transfer II or 3 hrs
   EML 4313 Intermediate System Dynamics and Controls or 3 hrs
   EML 4703 Fluid Mechanics II or 3 hrs
   EML 4504 Design & Analysis of Machine Components II 3 hrs

Select 1 of the Following: 3 hrs
   EML 4301C Mechanical Systems Lab or 3 hrs
   EML 4302C Energy Systems Lab or 3 hrs

5. Restricted Electives

   Approved Electives 18 hrs
   These courses are available in the BSME program.

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.

7. Foreign Language Requirements
   Admissions
   None

9. Additional Requirements
   None

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
   Aerospace Engineering

Certificates
   None

Related Minors
   Intelligent Robotic Systems (IRS) - Interdisciplinary
   Engineering Leadership
### UCF Degree Programs

#### Advising Notes
- Double Degree/Double Major requirements listed under the 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3990</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Transfer Notes
- EGN 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)

<table>
<thead>
<tr>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
</tr>
<tr>
<td>EGN 1006C on introduction to the Engineering Profession</td>
</tr>
<tr>
<td>ENC 1101 on Composition I</td>
</tr>
<tr>
<td>MAC 2311C on Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
</tr>
<tr>
<td>CHS 1440 on Fundamentals of Chemistry for Engineers or</td>
</tr>
<tr>
<td>CHM 2045C on Chemistry Fundamentals I or</td>
</tr>
<tr>
<td>CHM 2040 on Chemistry Fundamentals IA or</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
</tr>
<tr>
<td>EGN 1007C on Engineering Concepts and Methods</td>
</tr>
<tr>
<td>ENC 1102 on Composition II</td>
</tr>
<tr>
<td>MAC 2312 on Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>PHY 2048C on Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>GEP</td>
</tr>
<tr>
<td><strong>Freshman Year - Summer</strong></td>
</tr>
<tr>
<td>MAC 2313 on Calculus with Analytic Geometry III</td>
</tr>
<tr>
<td>GEP</td>
</tr>
<tr>
<td>EGN 3365 on Structure and Properties of Materials</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
</tr>
<tr>
<td>MAP 2302 on Ordinary Differential Equations I</td>
</tr>
<tr>
<td>EGN 3310 on Engineering Analysis-Statistics</td>
</tr>
<tr>
<td>STA 3032 on Probability and Statistics for Engineers</td>
</tr>
<tr>
<td>PHY 2049C on Physics for Engineers and Scientists II</td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
</tr>
<tr>
<td>EGN 3343 on Thermodynamics</td>
</tr>
<tr>
<td>EGN 3601 on Solid Mechanics</td>
</tr>
<tr>
<td>EGN 3373 on Principles of Electrical Engineering</td>
</tr>
<tr>
<td>EML 3217 on Engineering Mechanics - Dynamics</td>
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<td><strong>Sophomore Year - Summer</strong></td>
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<tr>
<td>GEP</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
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<tr>
<td>EML 3701 on Fluid Mechanics I</td>
</tr>
<tr>
<td>EML 3034C on Modeling Methods in Mechanical and Aerospace Engineering</td>
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<tr>
<td>EML 3303C on Mechanical Engineering Measurements</td>
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<tr>
<td><strong>Senior Year - Fall</strong></td>
</tr>
<tr>
<td>EML 4501C on Engineering Design I or</td>
</tr>
<tr>
<td>EGN 4412C on Interdisciplinary Design I</td>
</tr>
<tr>
<td><strong>Select 2:</strong></td>
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<tr>
<td>EML 4502C on Engineering Design II or</td>
</tr>
<tr>
<td>EGN 4413C on Interdisciplinary Design II</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
</tr>
<tr>
<td>EML 4301C on Mechanical Systems Lab or</td>
</tr>
<tr>
<td>EML 4306C on Energy Systems Lab</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
</tr>
<tr>
<td>Upper Division Elective</td>
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<tr>
<td>Upper Division Elective</td>
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<tr>
<td>Upper Division Elective</td>
</tr>
</tbody>
</table>

#### Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

#### 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

### Medical Laboratory Sciences (B.S.)

#### College of Medicine

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health & Public Affairs II, Room: 335**

[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

Dr. Richard Peppler, Interim Director

Dorilyn Hitchcock, Program Director

Phone: 407-823-5932

#### Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
UCF Degree Programs

- 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 Laboratory Personnel trainees license are required.

1. **UCF General Education Program (GEP)**
   - **(36 hrs)**
     - **A: Communication Foundations**
       - (9 hrs)
     - **B: Cultural & Historical Foundations**
       - (9 hrs)
     - **C: Mathematical Foundations**
       - (6 hrs)
       - Prefer MAC 1105C College Algebra
       - Required STA 2023 Statistical Methods I
       - Complete the General Education Program, the Gordon Rule, and complete all program prerequisite courses with at least a grade of "C" (2.0).

2. **Common Program Prerequisites (CPP)**
   - **(25 hrs)**
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
     - BSC 2010C Biology I
     - STA 2023 Statistical Methods I
     - 1 ZOO 3733C Human Anatomy
     - 1 MCB 3020C General Microbiology
     - 1 PCB 3703C Human Physiology
     - Required CHM 2045C Chemistry Fundamentals I
     - Required CHM 2045L Chemistry Fundamentals Laboratory

3. **Core Requirements: Basic Level**
   - **None**

4. **Core Requirements: Advanced Level**
   - **(64 hrs)**
     - MLS 3220C Techniques in Clinical Microscopy
     - MLS 4625L Advanced Clinical Chem I Lab
     - PCB 3233 Immunology
     - MLS 4430C Clinical Parasitology
     - MLS 3305L Hematology Lab
     - MLS 4933 Medical Technology Seminar
     - MLS 3705 Concepts in Education/Management
     - MLS 4830L Interpretive & Practical Clinical Chemistry
     - MLS 4831L Interpretive & Practical Immunohematology
     - MLS 4832L Interpretive & Practical Hematology
     - MLS 4833L Diagnostic Microbiology
     - MLS 1060C Introduction to Computers
     - BSC 3403C Quantitative Biological Methods

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
   - **Electives**
     - None
   - **9. Additional Requirements**
     - None
   - **10. Required Minors**
     - None
   - **11. Departmental Exit Requirements**
     - A minimum 2.5 overall GPA is required for clinical assignment.
     - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.
     - Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
     - Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

8. **University Minimum Exit Requirements**
   - **A 2.0 UCF GPA**
   - 60 semester hours awarded 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.

9. **Total Semester Hours Required**
   - 126

10. **Honors In Major**
    - None

11. **Related Programs**
    - Biomedical Sciences
    - Biology
    - Chemistry

12. **Certificates**
    - None

13. **Related Minors**
    - Biomedical Sciences
    - Biology
    - Chemistry

14. **Advising Notes**
    - None

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**Course Descriptions**

- CHM 2211L Organic Laboratory Techniques I
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory
- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2045C Chemistry Fundamentals I
- CHM 2045L Chemistry Fundamentals Laboratory
- MLS 3220C Techniques in Clinical Microscopy
- MLS 4625L Advanced Clinical Chem I Lab
- PCB 3233 Immunology
- MLS 4430C Clinical Parasitology
- MLS 3305L Hematology Lab
- MLS 4933 Medical Technology Seminar
- MLS 3705 Concepts in Education/Management
- MLS 4830L Interpretive & Practical Clinical Chemistry
- MLS 4831L Interpretive & Practical Immunohematology
- MLS 4832L Interpretive & Practical Hematology
- MLS 4833L Diagnostic Microbiology
- MLS 1060C Introduction to Computers
- BSC 3403C Quantitative Biological Methods
- MLS 4630C Advanced Clinical Chemistry II
- MLS 4630 Advanced Clinical Chemistry II
- MLS 3705 Concepts in Education/Management
- MLS 4830L Interpretive & Practical Clinical Chemistry
- MLS 4831L Interpretive & Practical Immunohematology
- MLS 4832L Interpretive & Practical Hematology
- MLS 4933 Medical Technology Seminar
- MLS 3705 Concepts in Education/Management
- MLS 4830L Interpretive & Practical Clinical Chemistry
- MLS 4831L Interpretive & Practical Immunohematology
- MLS 4832L Interpretive & Practical Hematology
- MLS 4833L Diagnostic Microbiology
- MLS 1060C Introduction to Computers
- BSC 3403C Quantitative Biological Methods
### UCF Degree Programs

#### Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

#### Acceptable Substitutes for Transfer Courses

**Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)**
- MLS 3020C General Microbiology 5 hrs
  - may be substituted with: MCB 2010C

#### Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CGS 1060C Introduction to Computers 3 hrs

**Junior Year - Fall**
- ENC 2210 Organic Chemistry 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

**Select 1:**
- ANT 2000 General Anthropology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- PSY 2012 General Psychology 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry II 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

**Select 1:**
- POS 2041 American National Government or 3 hrs
- ECO 2003 Principles of Macroeconomics 3 hrs

**Take all of the following:**
- **Select 1:**
  - 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
- **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**
- 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

**Select 1:**
- 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

**Senior 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 3232 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- MLS 4433C 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 4830L Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831L Interpretive & Practical Immunohematology 4 hrs
- MLS 4832L Interpretive & Practical Hematology 4 hrs
- MLS 4833L Diagnostic Microbiology 4 hrs

**Senior Year - Spring**
- MLS 4910 Introduction to Clinical Research 13 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4933 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/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

### Music (B.A.)

**College of Arts and Humanities**

**Department of Music,**

Performing Arts Center, Room: M203

http://music.cah.ucf.edu

Email: ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

### Admission Requirements
- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

### Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://www.music.ucf.edu/students](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.
- Each student must complete the 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
- 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.1 or 1.B.2 list 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Math 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs
  - Suggested MGF 1106 Finite 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)
### UCF Degree Programs

**E: Science Foundations** (6 hrs)

**2. Common Program Prerequisites (CPP) (28 hrs)**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2126</td>
<td>Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2121</td>
<td>Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensembles</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX XXXX</td>
<td>Performance</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level (6 hrs)**

1. MUS 1010 Music Forum 0 hrs
2. MUL 2024 Introduction to Music History and Literature 3 hrs
3. MUS 2360C Introduction to Music Technology 3 hrs

**4. Core Requirements: Advanced Level (3 hrs)**

- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP

**5. Restricted Electives (33 hrs)**

**Restricted Electives-Music (15 hrs)**

- Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
- Choose one MUT 3XXX or MUT 4XXX course 3 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**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>MUS 4900</td>
<td>Music BA Capstone Project</td>
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</tbody>
</table>

**7. Foreign Language Requirements**

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**

- Select primarily from upper-level courses

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Earn a grade of “C” (2.0) or better in each Music course

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Music Education
- Theatre
- Theatre - Musical Theatre Track

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**Certificates**

- None

**Related Minors**

- Music
- Theatre

**Advising Notes**

- None

**Transfer Notes**

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

**Freshman Year - Fall**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
</tr>
<tr>
<td>MUS 1111</td>
<td>Class Piano I</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
</tr>
<tr>
<td>MUL 2024</td>
<td>Introduction to Music History and Literature</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
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<tr>
<td>MVX XXXX</td>
<td>Performance I</td>
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**Freshman Year - Spring**

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<tr>
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<td>Composition II</td>
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<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
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<tr>
<td>MUS 1112</td>
<td>Class Piano II</td>
</tr>
<tr>
<td>MUS 1011</td>
<td>Music Forum</td>
</tr>
<tr>
<td>MUL 2024</td>
<td>Introduction to Music History and Literature</td>
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<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
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<td>MVX 141X</td>
<td>Performance I</td>
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**Sophomore Year - Fall**

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<tr>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<tr>
<td>MUT 2126</td>
<td>Music Theory and Musicianship III</td>
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<tr>
<td>MVK 2121</td>
<td>Class Piano III</td>
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<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
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<tr>
<td>XXX 1120</td>
<td>Foreign Language</td>
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**Sophomore Year - Spring**

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<tbody>
<tr>
<td>ENC 1103</td>
<td>Composition III</td>
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<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
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<tr>
<td>MVK 2122</td>
<td>Class Piano IV</td>
</tr>
<tr>
<td>MUG 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
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**Junior Year - Fall**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUH 3211</td>
<td>Music History and Literature I</td>
</tr>
<tr>
<td>GEP B.1</td>
<td>Cultural &amp; Historical Foundation</td>
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<tr>
<td>XXX 1121</td>
<td>Foreign Language</td>
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**Junior Year - Spring**

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<thead>
<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>MUH 3212</td>
<td>Music History and Literature II</td>
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<tr>
<td>GEP B.2</td>
<td>Cultural &amp; Historical Foundation</td>
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<tr>
<td>MUS 3430</td>
<td>Music Restricted Elective</td>
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<td>MVX 34XXX</td>
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**Senior Year - Fall**

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<tbody>
<tr>
<td>GEP D.1</td>
<td>Social Foundation</td>
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<td>XXX 34XXX</td>
<td>Non-Music Restricted Elective</td>
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<tr>
<td>MUX 34XXX</td>
<td>Music Restricted Elective</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

254 Undergraduate Catalog 2013-2014
### UCF Degree Programs

#### Music - Jazz Studies Track (B.M.)
**College of Arts and Humanities**

**Department of Music,**
**Performing Arts Center - Music, Room: M203**

[http://music.cah.ucf.edu](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](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-requirement 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/](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)**
- (See General Education program for detailed information)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Take all of the following:**
- 6 hrs
- Required ENC 1101 Composition I and
- Required ENC 1102 Composition II

**B: Cultural & Historical Foundations (9 hrs)**
- Required MUL 2016 Evolution of Jazz
- Select one course from 1.B.1 list
- Select one course from 1.B.1 list or 1.B.2 list

**C: Mathematical Foundations (6 hrs)**
- Math
  - 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - 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

**D: Social Foundations**
- 6 hrs

**E: Science Foundations**
- 6 hrs

**2. Common Program Prerequisites (CPP) (24 hrs)**
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level (6 hrs)**
- MUL 2014 Introduction to Music History and Literature
- MUS 2360C Introduction to Music Technology
- MUS 1010 Music Forum
- MUL 2016 Evolution of Jazz

**4. Core Requirements: Advanced Level (54 hrs)**
- MUT 3170 Jazz Theory I
- MUT 3171 Jazz Theory II
- MUT 3923 Jazz Workshop
- MUS 4320 Music Business and Industry
- MUS 4814 Jazz Styles and Analysis
- MUS 3953 Recital Performance I
- MUS 4954 Recital Performance II

**Select 1:**
- 3 hrs

- MUH 3211 Music History and Literature I or
- MUH 3212 Music History and Literature II

**Specialty Requirements (Choose one):**
- 27 hrs
- All courses are taken for two semesters each except restricted elective courses

**Trumpet**
- MVB 1411 Trumpet I
- MVB 2421 Trumpet II
- MVB 3431 Trumpet III
- MVB 4441 Trumpet IV

**Restricted Electives**
- 5 hrs

**Trombone**
- MVB 1413 Trombone I
- MVB 2423 Trombone II
- MVB 3433 Trombone III
- MVB 4443 Trombone IV

**Restricted Electives**
- 5 hrs

**Saxophone**
- MVW 1415 Saxophone I
- MVW 2425 Saxophone II
- MVW 3435 Saxophone III
- MVW 4445 Saxophone IV

**Restricted Electives**
- 5 hrs

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**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oews.ucf.edu/alc/academic_learning_compacts.htm](http://www.oews.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

---

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 4900 Music BA Capstone Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP D.2. Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>XXX 3/4XXX Non-Music Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>XXX 3/4XXX Non-Music Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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UCF Degree Programs

Jazz Piano
MVJ 1010  Jazz Piano I  2 hrs
MVJ 2220  Jazz Piano II  2 hrs
MVJ 3330  Jazz Piano III  3 hrs
MVJ 4240  Jazz Piano IV  4 hrs
MVK 1211  Secondary Piano  1 hr
Restricted Electives  3 hrs

Jazz Bass
MVJ 1214  Jazz Bass I  2 hrs
MVJ 2224  Jazz Bass II  2 hrs
MVJ 3334  Jazz Bass III  3 hrs
MVJ 4244  Jazz Bass IV  4 hrs
MVS 1214  Secondary Bass  1 hr
Restricted Electives  3 hrs

Jazz Guitar
MVJ 1213  Jazz Guitar I  2 hrs
MVJ 2223  Jazz Guitar II  2 hrs
MVJ 3333  Jazz Guitar III  3 hrs
MVJ 4243  Jazz Guitar IV  4 hrs
MVS 1216  Secondary Guitar  1 hr
Restricted Electives  3 hrs

Jazz Drum Set
MVJ 1219  Jazz Drum Set I  2 hrs
MVJ 2229  Jazz Drum Set II  2 hrs
MVJ 3339  Jazz Drum Set III  3 hrs
MVJ 4349  Jazz Drum Set IV  4 hrs
MVP 1211  Secondary Percussion  1 hr
Restricted Electives  3 hrs

5. Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, 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
- 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
- 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
- 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
- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall 14 hrs
ENC 1101  Composition I  3 hrs
MUT 1112  Music Theory and Musicianship I  4 hrs
MUN 3713  Jazz Ensemble  1 hr
MVK 1111  Class Piano I  1 hr
MUS 1010  Music Forum  0 hrs
MUL 2014  Introduction to Music History and Literature  3 hrs
MVX 141X  Performance I  2 hrs

Freshman Year - Spring 17 hrs
ENC 1102  Composition II  3 hrs
MUT 1112  Music Theory and Musicianship II  4 hrs
MUN 3713  Jazz Ensemble  1 hr
MVK 1111  Class Piano II  1 hr
MUS 1010  Music Forum  0 hrs
MUL 2016  Evolution of Jazz  3 hrs
MVX 141X  Performance I  2 hrs
Science Foundation  3 hrs

Sophomore Year - Fall 17 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
MUT 2126  Music Theory and Musicianship III  4 hrs
MUN 3713  Jazz Ensemble  1 hr
MVK 2121  Class Piano III  1 hr
MUT 3170  Jazz Theory I  3 hrs
MUS 1010  Music Forum  0 hrs
MUS 2360C  Introduction to Music Technology  3 hrs
MVX 242X  Performance II  2 hrs

Sophomore Year - Spring 14 hrs
MUT 2127  Music Theory and Musicianship IV  4 hrs
MUN 3713  Jazz Ensemble  1 hr
MVK 2122  Class Piano IV  1 hr
MUT 3171  Jazz Theory II  3 hrs
MUS 1010  Music Forum  0 hrs
Cultural & Historical Foundation  3 hrs
MVX 242X  Performance II  2 hrs
Professional Sequence Entrance Review

Junior Year - Fall 16 hrs
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
MUS 3953  Recital Performance I  0 hrs
MVX 343X  Performance III  3 hrs
MUS 3XXX  Restricted Elective  1 hr

Junior Year - Spring 13 hrs
STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
MUH 3211  Music History and Literature I  3 hrs
MUT 3923  Jazz Workshop  3 hrs
MUS 1010  Music Forum  0 hrs
MUS 2953  Recital Performance I  0 hrs
MVX 343X  Performance III  3 hrs
MVX 3XXX  Restricted Elective  1 hr

Senior Year - Fall 16 hrs
MUS 1010  Music Forum  0 hrs
MUT 3923  Jazz Workshop  3 hrs
MUH 4814  Jazz Styles and Analysis  3 hrs
Social Foundation  3 hrs
MVX 444X  Performance IV  4 hrs
Science Foundation  3 hrs

UNIVERSITY OF CENTRAL FLORIDA

256  Undergraduate Catalog 2013-2014
## UCF Degree Programs

### Program B: Jazz Piano, Guitar, Bass, Drum Set

**Junior Year - Spring**
- **13 hrs**
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - MUH 3211 Music History and Literature I 3 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - MUS 4814 Jazz Styles and Analysis 3 hrs
  - Social Foundation 3 hrs

**Junior Year - Fall**
- **16 hrs**
  - MUS 1010 Music Forum 0 hrs
  - MUS 3923 Jazz Workshop 3 hrs
  - MUS 4320 Music Business and Industry 3 hrs
  - MVX 4XXX Performance IV 0 hrs
  - MVX 4XXX Performance IV 3 hrs

### Freshman Year - Spring
- **14 hrs**
  - ENC 1102 Composition II 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MUN 3713 Jazz Ensemble 1 hr
  - MVK 1111 Class Piano I 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUL 2016 Introduction to Music History and Literature 3 hrs
  - MVX 1XXX Performance I 2 hrs
  - MVX 121X Secondary Performance 1 hr

### Freshman Year - Fall
- **15 hrs**
  - ENC 1101 Composition I 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MUN 3713 Jazz Ensemble 1 hr
  - MVK 1111 Class Piano I 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUL 2016 Evolution of Jazz 3 hrs
  - MUS 1010 Music Forum 0 hrs

### Sophomore Year - Spring
- **14 hrs**
  - MUT 2126 Music Theory and Musicianship III 4 hrs
  - MUN 3713 Jazz Ensemble 1 hr
  - MVK 2121 Class Piano III 1 hr
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUL 2016 Evolution of Jazz 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MVX 2XXX Performance II 2 hrs

### Sophomore Year - Fall
- **17 hrs**
  - ENC 1102 Composition II 3 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MUN 3713 Jazz Ensemble 1 hr
  - MVK 1112 Class Piano II 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUL 2016 Evolution of Jazz 3 hrs
  - MVX 1XX Performance I 2 hrs

### Junior Year - Fall
- **13 hrs**
  - MUT 3923 Jazz Workshop 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUS 4814 Jazz Styles and Analysis 3 hrs
  - MVX 3XXX Performance III 3 hrs
  - MVX 4XXX Performance IV 3 hrs
  - MVX 121X Secondary Performance 1 hr

### Junior Year - Spring
- **15 hrs**
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - MUH 3211 Music History and Literature I 3 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - MUS 4814 Jazz Styles and Analysis 3 hrs
  - Social Foundation 3 hrs

### Senior Year - Spring
- **13 hrs**
  - MUS 1010 Music Forum 0 hrs
  - MUS 3923 Jazz Workshop 3 hrs
  - MUS 4320 Music Business and Industry 3 hrs
  - MVX 4XXX Performance IV 0 hrs
  - MVX 4XXX Performance IV 3 hrs

### Senior Year - Fall
- **16 hrs**
  - MUS 1010 Music Forum 0 hrs
  - MUS 3923 Jazz Workshop 3 hrs
  - MUS 4320 Music Business and Industry 3 hrs
  - MVX 4XXX Performance IV 0 hrs
  - MVX 4XXX Performance IV 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oetas.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

**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUN 3713</td>
<td>Jazz Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 1XXX</td>
<td>Performance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVX 121X</td>
<td>Secondary Performance</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Full-Time Student: $90 per term
UCF Degree Programs

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 students take MUN 3453; guitar students take MUN 3483
- MVX 141X Performance I (two semesters) 4 hrs
- MVX 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2306C Introduction to Music Technology 3 hrs
- MUC 1101C Composition I 2 hrs
- MUC 2104C Composition II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUG 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)
- MUC 3105C Composition III 3 hrs
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUC 4950 Composition Recital 0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above 3 hrs

1 Two semesters for total 6 hrs
2 Two semesters for total 8 hrs

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 2306C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MUC 1101C Composition II 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVX 141X Performance I (two semesters) 4 hrs

Undergraduate Catalog 2013-2014
Music - Music Performance 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://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
  - This review is a pre-requisite for Performance level III.
  - Completion of the following courses:

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- 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 of UCF coursework must be completed by the time of application for graduation.
- Students must complete a faculty-approved Senior BM performance 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 (GEP) (9 hrs)
   - Select one course from 1.B.1 list 3 hrs
   - Select one course from 1.B.2 list 3 hrs
   - MGT 1107 Explorations in Mathematics 3 hrs

Take all of the following: (6 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Required MUH 3105  Music History and Literature I 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.

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: $45 per term
- Full-Time Student: $90 per term

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUN XXXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MXV 141X</td>
<td>Performance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MXV 141X</td>
<td>Performance I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>Equipment Fees</td>
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<td></td>
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<tr>
<td>Part-Time Student: $45 per term</td>
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<td></td>
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<tr>
<td>Full-Time Student: $90 per term</td>
<td></td>
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</tbody>
</table>
UCF Degree Programs

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) (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
MV 1111 Class Piano I 1 hr
MV 1112 Class Piano II 1 hr
MV 2121 Class Piano III 1 hr
MV 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
MUH 3211 Music History and Literature I 3 hrs
MUH 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

22 hrs

MUL 3400 Piano Literature I and 2 hrs
MUL 3401 Piano Literature II and 2 hrs
MVX 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

22 hrs

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

22 hrs

MUS 1250 IPA for Singers and 1 hr
MUS 3255 German and English 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

22 hrs

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

22 hrs

MUL 4443 Brass Literature and Pedagogy and 3 hrs
MUN XXXX Major Ensembles and 4 hrs
MUN XXXX Minor Ensembles and 4 hrs
Restricted Electives and 8 hrs
Electives 5 hrs

Percussion

22 hrs

MUL 3463 Percussion Literature and 2 hrs
MVP 3680 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

22 hrs

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

0-15 hrs
Any MUC, MUE, MUG, MUH, 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

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.

Minor Ensemble Participation
If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.

Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors
None

11. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each Music course.
Computer Competency met by the following course, or departmental examination:
MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.

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

#### Freshman Year - Fall
- **ENC 1101** Composition I 3 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVX 1111** Class Piano I 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUL 2014** Introduction to Music History and Literature 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs

#### Freshman Year - Spring
- **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** Major Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs
- **Science Foundation** 3 hrs

#### Sophomore Year - Fall
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs

#### Sophomore Year - Spring
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MGF 1106** Finite Mathematics 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs
- **Professional Sequence Entrance Interview**

#### Junior Year - Fall
- **MUN 3211** Music History and Literature I 3 hrs
- **MUT 1010** Music Forum 0 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MVX 343X** Performance III 3 hrs
- **MUX 34XX** Restricted Electives 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr

#### Junior Year - Spring
- **MUN 3211** Music History and Literature I 3 hrs
- **MVP 3431** Percussion III 2 hrs
- **MUT 1010** Music Forum 0 hrs
- **MUN 3443** Percussion Ensemble 1 hr
- **MUT 4571** Analysis of Twentieth-Century Music 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUX 34XX** Restricted Elective 3 hrs
- **MUN XXXX** Major Ensemble 1 hr

#### Related Minors
- Music
- Theatre
- Digital Media

#### Advising Notes
- **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

### Program A: Strings, Woodwinds, Brass

#### Freshman Year - Fall
- **ENC 1101** Composition I 3 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVX 1111** Class Piano I 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUL 2014** Introduction to Music History and Literature 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs

#### Freshman Year - Spring
- **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** Major Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs
- **Science Foundation** 3 hrs

#### Sophomore Year - Fall
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs

#### Sophomore Year - Spring
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MGF 1106** Finite Mathematics 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs
- **Professional Sequence Entrance Interview**

#### Junior Year - Fall
- **MUN 3211** Music History and Literature I 3 hrs
- **MUT 1010** Music Forum 0 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MVX 343X** Performance III 3 hrs
- **MUX 34XX** Restricted Electives 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr

#### Junior Year - Spring
- **MUN 3211** Music History and Literature I 3 hrs
- **MVP 3431** Percussion III 2 hrs
- **MUT 1010** Music Forum 0 hrs
- **MUN 3443** Percussion Ensemble 1 hr
- **MUT 4571** Analysis of Twentieth-Century Music 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUX 34XX** Restricted Elective 3 hrs
- **MUN XXXX** Major Ensemble 1 hr

### Program B: Percussion

#### Freshman Year - Fall
- **ENC 1101** Composition I 3 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVK 1111** Class Piano I 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUL 2014** Introduction to Music History and Literature 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs

#### Freshman Year - Spring
- **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** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 141X** Performance I 2 hrs

#### Sophomore Year - Fall
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs

#### Sophomore Year - Spring
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MGF 1106** Finite Mathematics 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr
- **MVX 242X** Performance II 2 hrs
- **Professional Sequence Entrance Review**

#### Junior Year - Fall
- **MUN 3211** Music History and Literature I 3 hrs
- **MUT 1010** Music Forum 0 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MVX 343X** Performance III 3 hrs
- **MUX 34XX** Restricted Electives 3 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUN XXXX** Minor Ensemble 1 hr

#### Junior Year - Spring
- **MUN 3211** Music History and Literature I 3 hrs
- **MVP 3431** Percussion III 2 hrs
- **MUT 1010** Music Forum 0 hrs
- **MUN 3443** Percussion Ensemble 1 hr
- **MUT 4571** Analysis of Twentieth-Century Music 3 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUX 34XX** Restricted Elective 3 hrs
- **MUN XXXX** Major Ensemble 1 hr

### Related Programs
- Music Education
- Theatre - Musical Theatre Track

### Certificates
- None

### Related Minors
- Music
- Theatre
- Digital Media

### Advising Notes
- **Transfer Notes**
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- **Program A: Strings, Woodwinds, Brass**
- **Program B: Percussion**

### Honors In Major
- None
UCF Degree Programs

Junior Year - Spring 13 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUL 3463 Percussion Literature 2 hrs
- MVP 3431 Percussion III 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MUS 3953 Recital Performance I 0 hrs
- MUX 34XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr

Senior Year - Fall 15 hrs
- MVP 4441 Percussion IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3443 Percussion Ensemble 1 hr
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- Free Elective 3 hrs

Senior Year - Spring 13 hrs
- MVP 4441 Percussion IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3443 Percussion Ensemble 1 hr
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- Free Elective 3 hrs

Program C: Piano

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3453 Piano Ensemble 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVK 1411 Piano I 2 hrs

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3453 Piano Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MVK 1411 Piano I 2 hrs
- Social Foundation 3 hrs

Sophomore Year - Fall 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3453 Piano Ensemble 1 hr
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MVK 2421 Piano II 2 hrs

Sophomore Year - Spring 15 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3453 Piano Ensemble 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MUF 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- Professional Sequence Entrance Review

Junior Year - Fall 16 hrs
- MUS 2211 Music History and Literature I 3 hrs
- MUS 3436 Guitar III 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUS 4346 Guitar IV 4 hrs
- Cultural & Historical Foundation 3 hrs
- MUX 34XXX Restricted Electives 3 hrs

Junior Year - Spring 13 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUL 3401 Piano Literature II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3453 Piano Ensemble 1 hr
- MVK 4571 Analysis of Twentieth-Century Music 3 hrs
- MVK 3431 Piano III 2 hrs
- Cultural & Historical Foundation 3 hrs
- MUX 34XXX Restricted Electives 3 hrs

Program D: Guitar

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUS 2606 Guitar I 2 hrs
- MUS 3436 Guitar III 2 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4346 Guitar IV 4 hrs
- MUX 34XXX Restricted Electives 3 hrs

Sophomore Year - Fall 16 hrs
- SPC 2008 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUS 2426 Guitar II 2 hrs
- MVK 2122 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUF 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs

Sophomore Year - Spring 14 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUS 2426 Guitar II 2 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Professional Sequence Entrance Review

Junior Year - Fall 16 hrs
- MUS 2211 Music History and Literature I 3 hrs
- MUS 3436 Guitar III 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUS 4346 Guitar IV 4 hrs
- Cultural & Historical Foundation 3 hrs
- MUX 34XXX Restricted Electives 3 hrs

Junior Year - Spring 13 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUL 4437 String Literature and Pedagogy 3 hrs
- MUS 3436 Guitar III 2 hrs
- MUN 3487 Guitar Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4346 Guitar IV 4 hrs
- MUX 34XXX Restricted Electives 3 hrs
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<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Senior</td>
<td>MUS 1010 Music Forum</td>
<td>MUL 3802 Song Literature</td>
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<td>MUN 3487 Guitar Ensemble</td>
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<td>Social Foundation</td>
<td>MUS 4954 Recital Performance II</td>
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<td>Science Foundation</td>
<td>MVV 4441 Voice IV</td>
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<td>Social Foundation</td>
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<td></td>
<td>Free Elective</td>
<td>Science Foundation</td>
</tr>
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<td></td>
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<td>MUN XXXX Major Ensemble</td>
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**Senior Year - Fall**

- MUS 1010 Music Forum: 0 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- Social Foundation: 3 hrs
- Science Foundation: 3 hrs
- MUX 3/4XXX Restricted Elective: 3 hrs
- Free Elective: 2 hrs

**Senior Year - Spring**

- MUS 1010 Music Forum: 0 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MUS 4441 Voice IV: 0 hrs
- Social Foundation: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- Free Elective: 3 hrs

**Program: Voice**

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<tr>
<th>Freshman Year - Fall</th>
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<td>ENC 1101 Composition I</td>
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<td>MUT 1121 Music Theory and Musicianship I</td>
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<tr>
<td>MUS 1250 IPA for Singers</td>
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<td>MKV 1111 Class Piano I</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVV 1411 Voice I</td>
<td>2 hrs</td>
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<td>MUN XXXX Major Ensemble</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<td>MUS 3255 German and English Lyrical Diction</td>
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<td>MVV 1411 Voice I</td>
<td>2 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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</table>

**Sophomore Year - Fall**

- MGF 1106 Finite Mathematics: 3 hrs
- MUT 2126 Music Theory and Musicianship III: 4 hrs
- MUS 3254 Italian and French Lyrical Diction: 2 hrs
- MKV 2121 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- MVV 2421 Voice II: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

**Sophomore Year - Spring**

- MUT 2127 Music Theory and Musicianship IV: 4 hrs
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MKV 2122 Class Piano IV: 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

**Junior Year - Fall**

- MUH 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 4571 Analysis of Twentieth-Century Music: 3 hrs
- MVV 3431 Voice I: 2 hrs
- XXX 1120 Foreign Language: 4 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr

**Junior Year - Spring**

- MUH 3212 Music History and Literature II: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MVV 3431 Voice III: 2 hrs
- Cultural & Historical Foundation: 3 hrs
- XXX 2121 Foreign Language: 4 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr

**Senior Year - Fall**

- MVV 4640 Voice Pedagogy: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MVV 4441 Voice IV: 4 hrs
- Social Foundation: 3 hrs
- Science Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr

**Senior Year - Spring**

- MUL 3802 Song Literature: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MVV 4441 Voice IV: 4 hrs
- Social Foundation: 3 hrs
- Science Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/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 Education (B.M.E.)**

**Department of Music**

**Performing Arts Center - Music, Room: M203**

**Email:** musicaud@ucf.edu

Dr. Kelly Miller, kelly.miler@ucf.edu, 407-823-4545

**Admission Requirements**

**Admission Requirements - Music Education**

- **Audition.** To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.

Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

**Admission Requirements - Professional Program**

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty.
- To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).
UCF Degree Programs

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

A: Communication Foundations

- 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: 6 hrs
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- 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 3 hrs

or
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers

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

D: Social Foundations

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations

- Prefer PSC 1211 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 2065 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MUT 2126 Music Theory and Musicanship III 4 hrs
MUT 2127 Music Theory and Musicanship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

MVX 141X Performance I (2 semesters) CPP
MVX 242X Performance II (2 semesters) CPP

Music Education Prerequisites - Basic 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 3 hrs
MUE 3942 Music Internship I 3 hrs
MUE 4311 Elementary School Music Methods and 2 hrs
MUE 3333 Music Learning Theory and Assessment and 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 Students in Schools and 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: 3 hrs

MUE 4337 Secondary Instrumental Methods II or 3 hrs
MUE 4441 String Methods 3 hrs

Select 5: 5 hrs

MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 4361 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
MUV 4640 Voice Pedagogy 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs

MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 4361 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 2 hrs
Materials
Select 4:  
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

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.fctes.org/ 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: MUE 3693 Technology in Music Education 2 hrs
### UCF Degree Programs

#### Freshman Year - Fall

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#### Sophomore Year - Spring

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#### Senior Year - Fall

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#### Senior Year - Spring

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### 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
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**Program C - Elementary Program**

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<td>MVX 141X Performance I 2 hrs</td>
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<td>MUN XXXX Ensemble 1 hr</td>
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<td><strong>16 hrs</strong></td>
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<tr>
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<td>MUS 2126 Music Theory and Musicanship III 4 hrs</td>
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<td>MVK 2121 Class Piano III 1 hr</td>
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<td>MUH 3211 Music History and Literature I 3 hrs</td>
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<td>EDF 2085 Introduction to Diversity for Educators 3 hrs</td>
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<td>MUS 2127 Music Theory and Musicanship IV 4 hrs</td>
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<td>MVK 2122 Class Piano IV 1 hr</td>
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<td>Junior Year - Fall</td>
<td>MUS 1010 Music Forum 0 hrs</td>
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<td>MUG 3104 Basic Conducting 2 hrs</td>
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<td>MUE 4331 Secondary Choral Methods I 3 hrs</td>
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<td>EDG 4410 Teaching Strategies and Classroom Management 3 hrs</td>
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<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs</td>
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<td>MUE 4393 Music and Students with Special Needs 2 hrs</td>
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<td>MUN XXXX Ensemble 1 hr</td>
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<td>CMENC/Schools</td>
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UCF Degree Programs

Junior Year - Spring 16 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 2306C Introduction to Music Technology 3 hrs
MUS 3302 Choral or Instrumental Conducting 2 hrs
GEP 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Senior Year - Fall 15 hrs
Take PET and Music Examination of FTCE
ESE 3940 Intership I - Secondary 3 hrs
MUE 3333 Music Learning Theory and Assessment 3 hrs
Select 1: 3 hrs
MUE 4331 Secondary Choral Methods I or 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs
GEP Students in Schools 3 hrs
CMENC

Senior Year - Spring 15 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

Senior Year - Summer 9 hrs
Remaining 3 GEP courses taken as part of 9 required summer hours

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $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: ucnurse@ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Henning, Associate Dean, Undergraduate
Patricia Leli, Undergraduate 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.
Prefer MAC 1105C College Algebra 3 hrs

2. Statistics 3 hrs
Required STA 2014C Principles of Statistics or 3 hrs
Required STA 2023 Statistical Methods 1 3 hrs
### UCF Degree Programs

#### D: Social Foundations (6 hrs)
- **1. Economics/Political Science** 3 hrs
  - Prefer ECO 2033 Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2033 Principles of Microeconomics or 3 hrs
  - Prefer POS 2041 American National Government 3 hrs

#### 2. Social Sciences 3 hrs
- Prefer PSY 2012 General Psychology or 3 hrs
- Prefer SYG 2000 Introduction to Sociology 3 hrs

#### E: Science Foundations (8 hrs)
- **1. Physical Sciences** 3 hrs
  - Suggested CHM 1032 General Chemistry 3 hrs
- **2. Life Sciences** 4 hrs
  - Required BSC 2010C Biology I 4 hrs

#### 2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)
- MCB 2004C Microbiology for Health Professionals 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs
- CHM 1032 General Chemistry GEP

#### Select 1: 3 hrs
- STA 2023 Statistical Methods I GEP
- STA 2023 Statistical Methods I GEP

#### 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

1 or other approved Science

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing.
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 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 3034 Community Health Nursing 3 hrs
- NUR 3034L 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 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 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 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 4845L Nursing Practicum 4 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

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<td>Public Health Nursing</td>
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<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
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</table>

#### 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.
- 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
- 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
- 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.
UCF Degree Programs

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.
  - DEP 2004C: May substitute any Human Growth & Development course which has a lab.
  - HUN 3011: May substitute any Human Nutrition course.
  - MCB 2004C: May substitute any General Microbiology course which has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
  - PSY 212: May substitute any General Psychology course.
  - STA 2014C: May substitute STA2023 or equivalent.

Plan of Study

Freshman Year - Fall
MAC 1050C  College Algebra  3 hrs
BSC 2010C  Biology I  4 hrs
1  GEP  3 hrs
Select 1:
  SYG 2000  Introduction to Sociology or 3 hrs
  PSY 2012  General Psychology  3 hrs
1  General Education or SLS 1501

Freshman Year - Spring
1  STA 2023  Statistical Methods I  3 hrs
CHM 1032  General Chemistry  3 hrs
2  GEP  3 hrs
Select 1:
  DEP 2004C  Developmental Psychology or 3 hrs
  SOW 3104  Assessing I: Human Development  3 hrs
1  or STA 2014C  3 hrs
2  General Education Course

Freshman Year - Summer
MCB 2004C  Microbiology for Health Professionals  4 hrs

Sophomore Year - Fall
ZOO 3733C  Human Anatomy  4 hrs
GEP  3 hrs
HUN 3011  Human Nutrition  3 hrs
Select 1:
  SOW 3104  Assessing I: Human Development or 3 hrs
  DEP 2004C  Developmental Psychology  3 hrs

Sophomore Year - Spring
PCB 3703C  Human Physiology  4 hrs
GEP  3 hrs
GEP  3 hrs

Junior Year - Fall
NUR 365  Nursing Research  3 hrs
NUR 363L  Health Care Issues, Policy, and Economics  3 hrs
NUR XXXX  Nursing Elective  3 hrs

Junior Year - Summer
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
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
NUR 4257  Introduction to Critical Care Nursing  3 hrs
NUR 4945L  Nursing Practicum  4 hrs
NUR 4633  Public Health Nursing  2 hrs
NUR 4637L  Public Health Nursing Clinical  1 hr
NUR 4828  Leadership, Management and Role Transition  3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Dr. Stephen Heglund, RN to MSN 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 are 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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by 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)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: Required STA 2023 Statistical Methods I or GEP 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   Prefer STA 2004C Principles of Statistics or 3 hrs
   STA 2004C Principles of Statistics 3 hrs
   Prefer STA 2023 Statistical Methods I 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer SYG 2000 Introduction to Sociology or 3 hrs
   SYG 2000 Introduction to Sociology 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs
   PSY 2012 General Psychology 3 hrs
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Microeconomics or 3 hrs
   ECO 2013 Principles of Microeconomics 3 hrs
   Prefer ECO 2023 Principles of Macroeconomics or 3 hrs
   ECO 2023 Principles of Macroeconomics 3 hrs
   Prefer POS 2041 American National Government 3 hrs
   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
   2 ZOO 2004C Human Anatomy 4 hrs
   2 PCB 2004C Human Physiology 4 hrs
   HUN 2004C Human Nutrition 3 hrs
   Select 1: STA 2023 Statistical Methods I or
   STA 2023 Statistical Methods I GEP
   3 STA 2004C Principles of Statistics GEP
   Select 1: SOW 3104 Assessing I: Human Development or
   SOW 3104 Assessing I: Human Development or 3 hrs
   DEP 2004C Developmental Psychology 3 hrs
   Select 1: 3 hrs
   3 PSY 2012 General Psychology or
   PSY 2012 General Psychology GEP
   3 SYG 2000 Introduction to Sociology GEP
   1 Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   2 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
   3 Also meets General Education sequence (AP I & II) of six-eight total credits.

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (55 hrs)
   Core UCF Requirements 28 hrs
   NUR 3865 Professional Socialization Seminar 1 hr
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3865 Dimensions of Professional Nursing Practice
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4828 Nursing Leadership, Management and Role 3 hrs
   Transition
   NUR 4637 Public Health Nursing 2 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   Nursing for RNs
   NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   Upper Division Credit 27 hrs
   May be met by validation
   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
   UCF 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 3 hrs
   6. Capstone Requirements
   None
   7. Foreign Language Requirements
   Admissions
   None
   8. Electives
   None
   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
   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
   See Nursing HIM Advisor
\[ \text{Nursing - R.N. to B.S.N. Program (B.S.N.)} \]
\[ \text{College of Nursing} \]
\[ \text{UTWR, Room: 3rd floor} \]
\[ \text{http://www.nursing.ucf.edu} \]
\[ \text{Email: ucfnurse@ucf.edu} \]
\[ \text{Dr. Stephen Heglund, RN to BSN Coordinator} \]
\[ \text{Dr. Linda Hennig, Assoc. Dean Undergraduate} \]
\[ \text{Dr. Jean Leuner, Dean} \]
\[ \text{Phone: 407-823-2744} \]

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.

\section*{Admission Requirements}

\begin{itemize}
  \item 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:
  \item 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.
  \item Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
  \item A minimum overall GPA of 2.8
\end{itemize}

\section*{Degree Requirements}

\begin{itemize}
  \item Students who change degree programs and select this major must adopt the most current catalog year, including minors.
  \item Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
  \item 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.
\end{itemize}

\section*{Equipment Fees}

\begin{itemize}
  \item Part-Time Student: $25 per term
  \item Full-Time Student: $50 per term
\end{itemize}

\section*{Related Programs}

- Health Services Administration
- Social Work
- Aging Studies

\section*{Related Minors}

- Health Sciences
- Health Services Administration
- Psychology

\section*{Advising Notes}

- None

\section*{Transfer Notes}

- None

\section*{Acceptable Substitutes for Transfer Courses}

- None

\section*{Plan of Study (31 hrs)}

- None

\section*{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

\section*{Equipment Fees}

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

\section*{Nursing - R.N. to B.S.N. Program (B.S.N.)}

\section*{College of Nursing}

\section*{UTWR, Room: 3rd floor}

\section*{http://www.nursing.ucf.edu}

\section*{Email: ucfnurse@ucf.edu}

\section*{Dr. Stephen Heglund, RN to BSN Coordinator}

\section*{Dr. Linda Hennig, Assoc. Dean Undergraduate}

\section*{Dr. Jean Leuner, Dean}

\section*{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.

\section*{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

\section*{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.

\section*{Equipment Fees}

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

\section*{Related Programs}

- Health Services Administration
- Social Work
- Aging Studies

\section*{Related Minors}

- Health Sciences
- Health Services Administration
- Psychology

\section*{Advising Notes}

- None

\section*{Transfer Notes}

- None

\section*{Acceptable Substitutes for Transfer Courses}

- None

\section*{Plan of Study (31 hrs)}

- None

\section*{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

\section*{Equipment Fees}

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

\section*{Nursing - R.N. to B.S.N. Program (B.S.N.)}

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\section*{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

\section*{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.
3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level  (54 hrs)
   ■ UCF Core  27 hrs
      NUR 3805  Dimensions of Professional Nursing  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
      NUR 4637  Community Health Nursing  3 hrs
      NUR 4637L Public Health Nursing Lab  1 hr
      NUR 4828  Nursing Leadership, Management and Role Transition  3 hrs
      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 Practice  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 are 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.

12. University Minimum Exit Requirements

Total Semester Hours Required
■ 120

Honors In Major
■ Contact Program Coordinator or HIM Advisor

Related Programs
■ Health Sciences 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  3 hrs
   ■ NUR 3065  Health Assessment  2 hrs
   ■ NUR 3065L Health Assessment Lab  1 hr

Junior Year - Spring
   ■ NUR 3125  Pathophysiology for Nursing Practice  3 hrs
   ■ NUR 3165  Nursing Research  3 hrs

Junior Year - Summer
   ■ NUR/NSP XXXX Nursing Elective  3 hrs
   ■ NUR/NSP XXXX Nursing Elective  3 hrs

Senior Year - Fall
   ■ NUR 4628  Nursing Leadership, Management and Role Transition  3 hrs

Senior Year - Spring
   ■ 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
# UCF Degree Programs

## Philosophy (B.A.)

**College of Arts and Humanities**

**Department of Philosophy,**

**Psychology Building, Room: 220**


**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.
- 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)
  - PHI 2647 Logic and Ethics or 3 hrs
  - PHI 2108 Critical Thinking or 3 hrs
  - PHI 2847 Logic and Ethics or 3 hrs
  - PHI 3131 Formal Logic II 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

#### D: Social Foundations

- (6 hrs)

#### E: Science Foundations

- (6 hrs)

### 2. Common Program Prerequisites (CPP)

- **None**

### 3. Core Requirements: Basic Level (36 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**
  - PHI 3083 Research Methods in Philosophy 3 hrs
  - PHI 4938 Senior Research Seminar 3 hrs

1. To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

### Reasoning (6 hrs)

#### Select 2:

- PHI 2111 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2847 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

### History of Philosophy (9 hrs)

#### Select 2:

- PHI 3100 Ancient Philosophy or 3 hrs
- PHI 3200 Medieval Philosophy or 3 hrs
- PHI 3460 Modern Western Philosophy 3 hrs

### Values and Society (6 hrs)

- **Select 2:**
  - PHI 3670 Ethical Theory or 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
  - PHI 3401 Philosophy of Law or 3 hrs
  - PHI 3800 Aesthetics or 3 hrs
  - PHI 3313 Feminist Theories or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHI 3625 Virtual Ethics or 3 hrs
  - PHI 4633 Ethics and Biological Science or 3 hrs
  - PHI 3100 Freedom and Justice or 3 hrs
  - PHI 3640 Environmental Ethics or 3 hrs
  - PHI 4031 Environmental Philosophy or 3 hrs
  - PHI 3701 Native American Philosophy or 3 hrs
  - PHI 3805 Contemporary Aesthetics or 3 hrs
  - HUM 4823 Queer Theory in the Humanities 3 hrs

### Being and Knowing (6 hrs)

- **Select 2:**
  - PHI 4500 Metaphysics or 3 hrs
  - PHI 4311 Philosophy of Mind or 3 hrs
  - PHI 4300 Theories of Knowledge or 3 hrs
  - PHI 3700 Philosophy of Religion or 3 hrs
  - PHI 4400 Philosophy of Science or 3 hrs
  - PHI 3320 Philosophy of Mind or 3 hrs
  - PHI 3451 Philosophy of Psychology or 3 hrs
  - PHI 4420 Philosophy of Social Science or 3 hrs
  - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
  - PHP 4782 Phenomenology or 3 hrs
  - PHI 4221 Philosophy of Language or 3 hrs

### Topics in Philosophy (3 hrs)

- **Select 1:**
  - Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

- PHI 4931 Philosophy in the News or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHI 3750 The Problem of Evil or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3603 Philosophy and Creativity or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- PHI 4935 Topics in Philosophy of Mind or 3 hrs
- PHP 4933 Key Concepts in Philosophy or 3 hrs
- PHP 4931 Key Figures in Philosophy or 3 hrs

### 5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

### 6. Capstone Requirements

- **None**

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in 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: 3 hrs
- PHI 4970H Undergraduate Honors Thesis or 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

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religion and Cultural Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

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 2101 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
- 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

Junior Year - Fall 15 hrs
- PHI 3053 Research Methods in Philosophy 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

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
- PHI 4938 Senior Research Seminar 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
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: 386-506-4034

(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.
- 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)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 2600 Speech (A.S.) 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2051 History of Western Art II 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MAC 1105C College Algebra or 3 hrs
- Required MAC 2106 College Mathematics or 3 hrs
- Required MAC 2207 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.

- Subject to change. Prerequisites have not been set by the state.

http://svad.cah.ucf.edu/bsphotography
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:
- Suggested SPC 1608 Fundamentals of Oral Communication 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

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:
  - Suggested ECO 2013 Principles of Microeconomics 3 hrs
  - Suggested ECO 2023 Principles of Macroeconomics 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 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.

3. Core Requirements: Basic Level (14 hrs)
- EGN 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-Statistics 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

4. Core Requirements: Advanced Level (42 hrs)
- EEL 3004C Electrical Networks 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

Photons Requirements 25 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 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 upper level photonics, other engineering, physics or mathematics or other approved related electives.

6. Capstone Requirements (6 hrs)
- OSE 4911 Senior Design I 3 hrs
- OSE 4912 Senior Design II 3 hrs
Freshman Year - Fall 15 hrs

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Freshman Year - Spring 15 hrs

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Sophomore Year - Fall 17 hrs

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<td>PHY 2049C</td>
<td>4 hrs</td>
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<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3211</td>
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<tr>
<td>Cultural Foundation</td>
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Sophomore Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAP 2302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3310</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3310</td>
<td>3 hrs</td>
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<tr>
<td>Science Foundation</td>
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Sophomore Year - Summer 10 hrs

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<tbody>
<tr>
<td>EEL 3123C</td>
<td>4 hrs</td>
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<tr>
<td>Social Foundation</td>
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Select 1: 3 hrs

<table>
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<tbody>
<tr>
<td>EGN 3321</td>
<td>3 hrs</td>
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<td>EGN 3358</td>
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Junior Year - Fall 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>OSE 3052</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 3052L</td>
<td>1 hr</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>4 hrs</td>
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<tr>
<td>EEE 3350</td>
<td>3 hrs</td>
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<td>EEL 3470</td>
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Junior Year - Spring 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>STA 3032</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4410</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4410L</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4520L</td>
<td>1 hr</td>
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<tr>
<td>OSE 3953</td>
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Senior Year - Fall 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>OSE 4470</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4470L</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4911</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4930</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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Senior Year - Spring 13 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>OSE 4912</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4930</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4830L</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Historical Foundation</td>
<td>3 hrs</td>
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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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

Physics (B.S.)

College of Sciences

Department of Physics,

Physical Sciences Building, Room: 430


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.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these prerequisites will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (38 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)
- Select 2 6 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Select 1 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
1. Physical Science; (4 hrs)
- Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Life sciences; (3 hrs)
- Select from the E.2. GEP list.

3. Core Requirements: Basic Level (36 hrs)
- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I CPP
- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP
- and
MAC 2311C Calculus with Analytic Geometry I and GEPCPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
PHY 2048C Physics for Engineers & Scientists I and GEPCPP
PHY 2049C Physics for Engineers and Scientists II CPP

Core: Additional requirements
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory Requirement 6 hrs
PHY 3802L 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
- Select one specialization

4.1. General Physics Specialization 18 hrs
PHY 4803L Advanced Physics Laboratory 3 hrs

- Restricted Electives: 6 hrs
Select from upper division PHY, PHZ, or AST courses 6 hrs

- Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs
- Select 1 3 hrs
PHY 4803L Advanced Physics Laboratory or 3 hrs
EEE 5356C Fabrication of Solid-State Devices 4 hrs

- Select 3 9 hrs
EEE 3350 Semiconductor Devices I or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EMA 4413 Fundamentals of Electronic Materials or 3 hrs
CHM 3411L Physical Chemistry Laboratory or 2 hrs
PHZ 5405 Condensed Matter Physics or 3 hrs
EE 5552 Semiconductor Material and Device Characterization 3 hrs

- Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs
PHY 4424 Optics 3 hrs

- Select 2 6 hrs
EEL 4440 Optical Engineering or 3 hrs
PHY 4445 Lasers or 3 hrs
OSF 5203 Geometrical Optics and Imaging Systems or 3 hrs
OSF 5312 Light Matter Interaction or 3 hrs
OSF 5414 Fundamentals of Optoelectronic Devices 3 hrs
UCF Degree Programs

**- Directed Electives:**
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHY 3151 Computer Methods in Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4500 Numerical Calculus</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002 Astronomy</td>
<td>3 hrs</td>
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</tbody>
</table>

- Select one
AST 4700 Experimental Methods in Astronomy or Astronomical Data Analysis or
AST 4762C Astronomical Data Analysis or
AST 5765C Advanced Astronomical Data Analysis or

- and 6 hrs
Select from upper division AST courses

- Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- 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.

13. Total Semester Hours Required
- 120

Honors In Major
- None

4.4. Computational Physics Specialization 19 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2282C Fluid Mechanics</td>
<td>3 hrs</td>
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<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312C Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313C Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046C Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
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Note: Lab may be taken later if seats are not available. GEP: 3 hrs

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

13. Total Semester Hours Required

Freshman Year - Fall 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2282C Fluid Mechanics</td>
<td>3 hrs</td>
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<td>4 hrs</td>
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<tr>
<td>MAC 2313C Calculus with Analytic Geometry III</td>
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<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2046C Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
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<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
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Sophomore Year - Fall 17 hrs

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<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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<tr>
<td>MAC 2312C Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2313C Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
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<tr>
<td>COP 3502C Computer Science I</td>
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<tr>
<td>GEP</td>
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<td>GEP</td>
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Sophomore Year - Spring 15 hrs

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<th>Course</th>
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<tbody>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
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<tr>
<td>PHZ 3113 Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
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<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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Junior Year - Fall 15 hrs

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<th>Course</th>
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<tbody>
<tr>
<td>PHY 3802L Intermediate Physics Laboratory</td>
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<td>PHY 3323 Electricity and Magnetism I</td>
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<td>PHY 3513 Thermal and Statistical Physics</td>
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<td>Core Course</td>
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<tr>
<td>Restricted Elective</td>
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</tr>
</tbody>
</table>

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.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ 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 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2282C Fluid Mechanics</td>
<td>3 hrs</td>
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<td>4 hrs</td>
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<tr>
<td>CHM 2046C Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Note: Lab may be taken later if seats are not available. GEP: 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
Junior Year - Spring
15 hrs
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
15 hrs
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
14 hrs
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.oeas.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 1098 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.
- 2. Statistics 3 hrs
  - Prefer STA 2014C Principles of Statistics or 3 hrs
  - Prefer STA 2063C Basic Statistics Using Microsoft Excel or 3 hrs

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP B.2 list 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes.
  - 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 3182 Florida Politics or 3 hrs
- POS 3223 Public Opinion or 3 hrs
- POS 3234 Protest in American Politics or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
## UCF Degree Programs

### B. International Relations and Comparative Government Area

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3132</td>
<td>Canadian Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3403</td>
<td>Politics of the Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process</td>
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<td>CPO 4074</td>
<td>Political Economy</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4101</td>
<td>Politics of the European Union</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics</td>
<td>3 hrs</td>
</tr>
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<td>CPO 4445</td>
<td>Comparative Political Parties</td>
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<td>CPO 4514</td>
<td>Politics of East Asia</td>
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<td>CPO 4541</td>
<td>Chinese Politics</td>
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<td>CPO 4553</td>
<td>Politics of Japan</td>
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<td>CPO 4643</td>
<td>Government and Politics of Russia</td>
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<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
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<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions</td>
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<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality</td>
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<td>CPO 4794</td>
<td>Comparative Perspective</td>
<td>3 hrs</td>
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<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
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<td>IDS 4215</td>
<td>Global Perspectives</td>
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<td>INR 2002</td>
<td>International Relations-Theory and Practice</td>
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<td>INR 3016</td>
<td>Global Political Issues</td>
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<tr>
<td>INR 3250</td>
<td>Politics of Pan-Africanism</td>
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<td>INR 3253</td>
<td>International Politics of Africa</td>
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<td>INR 4011</td>
<td>Politics of Globalization</td>
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<td>INR 4030</td>
<td>Diplomacy</td>
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<td>INR 4035</td>
<td>International Political Economy</td>
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<td>INR 4054</td>
<td>Global Politics of Energy</td>
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<td>INR 4060</td>
<td>Causes of War</td>
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<td>INR 4074</td>
<td>Immigration Policy</td>
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<td>INR 4075</td>
<td>Human Rights Policy</td>
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<td>INR 4076</td>
<td>Global Drug Policy</td>
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<td>INR 4084</td>
<td>Politics of International Terrorism</td>
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<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
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<td>INR 4102</td>
<td>American Foreign Policy</td>
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<td>INR 4104</td>
<td>Topics and Cases in American Foreign Policy</td>
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<td>INR 4114</td>
<td>American Security Policy</td>
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<td>INR 4115</td>
<td>Strategic Weapons and Arms Control</td>
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<td>INR 4224</td>
<td>Contemporary International Politics of Asia</td>
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<td>INR 4225</td>
<td>The Vietnam War</td>
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<td>INR 4243</td>
<td>International Politics of Latin America</td>
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<td>Issues in International Public Policy</td>
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<td>INR 4335</td>
<td>Coercion in International Politics</td>
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<td>INR 4350</td>
<td>Global Environmental Politics</td>
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<td>INR 4351</td>
<td>International Environmental Law</td>
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<td>INR 4364</td>
<td>The Intelligence Community</td>
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<td>INR 4401</td>
<td>International Law</td>
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<td>INR 4404</td>
<td>Space Law</td>
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<td>INR 4502</td>
<td>International Organizations</td>
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<td>INR 4714</td>
<td>Politics of International Trade Policy</td>
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<td>INR 4774</td>
<td>Military Space Policy</td>
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<td>POS 3253</td>
<td>Contemporary Revolution and Political Violence</td>
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<td>POS 3214</td>
<td>Government of the Nation</td>
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<td>POS 4003</td>
<td>American Public Policy</td>
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<td>POS 4209</td>
<td>Urban Environmental Policy</td>
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<td>POS 4223</td>
<td>Women and Public Policy</td>
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<td>POS 4404</td>
<td>Education and Politics</td>
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<td>POS 4503</td>
<td>Sustainability</td>
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<td>POS 4510</td>
<td>Space Policy</td>
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<td>POS 4622</td>
<td>Politics and Civil Rights</td>
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<td>POS 4603</td>
<td>American Constitutional Law I</td>
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<td>POS 4604</td>
<td>American Constitutional Law II</td>
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<td>POS 4666</td>
<td>Contemporary Political Theory</td>
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<td>POS 4714</td>
<td>Politics of International Trade Policy</td>
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<td>POS 4774</td>
<td>Military Space Policy</td>
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<td>POS 4803</td>
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<td>POS 4824</td>
<td>Judicial Process and Politics</td>
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<td>POS 4842</td>
<td>Comparative Judicial Process</td>
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<td>POS 4874</td>
<td>Political Economy</td>
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<tr>
<td>POS 4931</td>
<td>Topics in Public Policy</td>
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### C. Political Theory Area

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</td>
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<tr>
<td>POS 4206</td>
<td>Political Psychology</td>
<td>3 hrs</td>
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<tr>
<td>POT 3204</td>
<td>American Political Thought</td>
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</tr>
<tr>
<td>POT 3302</td>
<td>Modern Political Ideologies</td>
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<tr>
<td>POT 4003</td>
<td>Political Theory</td>
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<tr>
<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern Political Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4066</td>
<td>Contemporary Political Theory</td>
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</tr>
<tr>
<td>POT 4109</td>
<td>Politics and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4305</td>
<td>The State, Society, and the Individual</td>
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<tr>
<td>POT 4314</td>
<td>Contemporary Democratic Theory</td>
<td>3 hrs</td>
</tr>
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<td>POT 4331</td>
<td>Utopia/Dystopia</td>
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<td>POT 4345</td>
<td>Pan-Africanist Thought</td>
<td>3 hrs</td>
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<td>POT 4414</td>
<td>Marxist Political Theory</td>
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</tr>
<tr>
<td>POT 4432</td>
<td>Religion and Politics</td>
<td>3 hrs</td>
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</tbody>
</table>

### 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 up 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

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
- Free Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Political Science - Prelaw Track (B.A.)

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/

Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
   - POS 2041 American National Government 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs

2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - 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 a course from GEP B.2. list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Math:
       - Prefer MGF 1106 Finite Mathematics or 3 hrs
       - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
     - May substitute a higher level math with appropriate scores on the Math Placement Test.
   - Statistics:
     - Prefer STA 2014C Principles of Statistics or 3 hrs
     - Prefer STA 2063C Basic Statistics Using Microsoft Excel or 3 hrs
     - May substitute a higher level statistics course. 3 hrs
   - D: Social Foundations (6 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/CPP
   - 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 4284 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
       - POS 4604 American Constitutional Law II or
       - 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 24 hrs
   - 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
   - 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 4 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
   - MWF 3302 Logic and Proof in Mathematics 3 hrs
   - PHI 2101 Formal Logic 1 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.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- GEP-Math 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- 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
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall
- POS 4284 Judicial Process and Politics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Supporting Elective 4 hrs
- Supporting Elective 4 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- 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.oelas.ucf.edu/aic/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
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.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
### UCF Degree Programs

**C: Mathematical Foundations (6 hrs)**
- **Math:** 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
  - Prefer MAC 1105C College Algebra 3 hrs

**Statistics:** 3 hrs
- Required STA 2023 Statistical Methods I or 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**
- **Social Sciences:** 3 hrs
  - Required PSY 2012 General Psychology 3 hrs

**Political Science/Economics**
- 3 hrs
  - Select one of the listed choices

**E: Science Foundations (6 hrs)**
- **Biology:** 3 hrs
  - 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:**
- 3 hrs
  - Select one of the listed choices

**2. Common Program Prerequisites (CPP) (3 hrs)**
- See Transfer Notes for possible substitutes for the courses listed below.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Psychology:**
- PSY 2012 General Psychology GEP
- DEP 2004C Developmental Psychology 3 hrs

**Biology:**
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

**Statistics:**
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I 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

**Biology:**
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

**Statistics:**
- STA 2014C Principles of Statistics GEP
- STA 2023 Statistical Methods I GEP

**4. Core Requirements: Advanced Level (18 hrs)**

**Psychology:**
- PSY 2023 Careers in Psychology 2 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 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:**
- 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

**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
- INF 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.
    - INF 3141 Advanced Applied Psychology or 1 hr
    - INF 3951 Industrial/Organizational Field Work or 3 hrs
    - PSY 3905 Directed Independent Study or 1 hr
    - PSY 4905 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 Primateology 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 3503C 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 4184 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 XXXX Any ENV prefix course or 3 hrs
- GEO XXXX Any GEO prefix course or 3 hrs
- MCB XXXX Any MCB prefix course or 3 hrs
- ZOO XXXX Any ZOO prefix course or 3 hrs

**6. Capstone Requirements**
- PSY 4049 Psychology Capstone 1 hr

**7. Foreign Language Requirements**

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

**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 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
- Psychology Cornerstone 2 hrs

Freshman Year - Spring 15 hrs
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 16 hrs
- DEP 2004C Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 16 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

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 & 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
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 on a regular basis.
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Suggested SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 1060C Introduction to Computers

   Select 1: (6 hrs)
   Suggested MAC 1105C College Algebra or
   Suggested MGF 1106 Finite Mathematics or
   Suggested MGF 1107 Explorations in Mathematics

   C: Mathematical Foundations (6 hrs)
   Required MAC 2233 Calculus or

   D: Social Foundations (6 hrs)
   Suggested POS 2041 American National Government

   Select 1: (3 hrs)
   Suggested PSY 2012 General Psychology or
   Suggested SYG 2000 Introduction to Sociology or
   Suggested ANT 2000 General Anthropology

   E: Science Foundations (6 hrs)
   Required ECO 2013 Principles of Microeconomics
   Required CGS 1060C Introduction to Computers
   Required POS 2041 American National Government

2. Common Program Prerequisites (CPP) (3 hrs)
   See "Common Prerequisites" in the Transfer and Transition Services section

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (21 hrs)
   PAD 3003 Public Administration in American Society
   PAD 4034 The Administration of Public Policy
   PAD 3733 Professional Administrative Writing in the Public Sector
   PAD 4104 Administrative Theory
   PAD 4204 Fiscal Management
   PAD 4414 Human Resource Administration
   PAD 4720 Survey Research in Public Administration

5. Restricted Electives (39 hrs)
   Public Administration electives are required as follows:
   - PAD majors must complete at least 21 hrs. of PAD prefixed electives at the 3000 level or higher.
   - Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).

   - Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
   - Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

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 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
- 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
14 hrs
ENC 1101 Composition I 3 hrs
CGS 1060C Introduction to Computers 3 hrs
POS 2041 American National Government 3 hrs
PAS 2102 Public Affairs Career 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 2010 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
Select 1: 3 hrs
Select 1: 3 hrs

Freshman Year - Spring
15 hrs
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
Select 1: 3 hrs
Free Elective 3 hrs

Sophomore Year - Fall
15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Select 1: 3 hrs
EHU 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 Biological Principles 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
15 hrs
PAD 3003 Public Administration in American Society 3 hrs
Select 1: 3 hrs
Select 1: 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
EHU 2031 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
15 hrs
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
15 hrs
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
15 hrs
Restricted Elective 3 hrs
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

Senior Year - Spring
15 hrs
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

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

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: 407-823-2861

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 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.
- Meet a grammar proficiency standard (“B” grades or better in the following courses or pass the grammar proficiency exam).
- 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.

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 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.
UCF Degree Programs

- 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.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations**
- 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**
- Prefer: AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer: AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a third course from GEP B2 3 hrs

**C: Mathematical Foundations**
- Math: 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
  - Suggested: MGF 1106 Finite Mathematics or 3 hrs
  - Suggested: MGF 1107 Explorations in Mathematics 3 hrs

**Computer Science:**
- Required: CGS 2100C Computer Fundamentals for Business 3 hrs

**D: Social Foundations**
- Prefer: POS 201 American National Government 3 hrs
- Select a listed course 3 hrs

**E: Science Foundations**
- (6 hrs)

**2. Common Program Prerequisites (CPP)**
- None

**3. Core Requirements: Basic Level**
- (15 hrs)

**Select 1:**
- SPC 1603C Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**
- 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**
- (3 hrs)

**Select from the following:**
- RTV 3210C Audio Production I or 3 hrs
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3223C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3263C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4206C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 3942L Practicum or 1 hr
- RTV 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours.

**B. Broadcast Journalism**
- (22 hrs)

**Complete all of the following:**
- MMC 4602 Contemporary Media Issues and Practices 3 hrs
- RTV 3260C Single Camera Video Production and Editing 4 hrs
- RTV 3301 Electronic Journalism I and II 3 hrs
- RTV 3304 Electronic Journalism II and III 3 hrs
- RTV 4300C Television News 4 hrs

**Select from the following:**
- JOU 3004 History of American Journalism or 3 hrs
- JOU 3015 Principles of Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4322C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4906 Directed Independent Study or 1 hr
- RTV 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours.

**C. Radio-Television Major**
- (18 hrs)

**Select from the following:**
- ADV 4103 Radio-Television Advertising or 3 hrs
- JOU 3015 Principles of Journalism or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4800 Broadcast Management or 3 hrs
- RTV 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours.

**E. 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
   ^ CGS 3 hrs
   2 I00C 3 hrs
   Foreign Language 4 hrs

^ See alternatives

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 15 hrs
   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

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

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<th>Senior Year - Spring</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective, or</td>
<td>4 hrs</td>
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<tr>
<td>Elective-outside of NSC</td>
<td>3 hrs</td>
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#### 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: $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/](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 seek re-admittance 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.

#### 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.

#### 1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

- Preferred Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

- Computer Fundamentals for Business

D: Social Foundations (6 hrs)

- Required Computer Fundamentals for Business

#### Select one of the following sequences of courses:

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401

#### 2. Core Requirements: Basic Level (32 hrs)

3. Core Requirements: Advanced Level (9 hrs)

4. Core Requirements: Advanced Level (9 hrs)

5. Restricted Electives (15 hrs)

Select 5:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
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<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3</td>
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<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
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<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
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<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
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<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
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<td>REE 4723</td>
<td>Real Estate Development</td>
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<tr>
<td>REE 4903H</td>
<td>Honors Directed Readings</td>
<td>1</td>
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<td>REE 4941</td>
<td>Internship</td>
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<tr>
<td>REE 4970H</td>
<td>Undergraduate Honors Thesis</td>
<td>1</td>
</tr>
<tr>
<td>REE 4993</td>
<td>Advanced Topics in Real Estate</td>
<td>3</td>
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</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:
  GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  MAR 3023 Marketing 4 hrs
  MAR 3025 Management of Organizations 4 hrs
  FIN 3403C Business Finance 4 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- 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

- 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
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105C College Algebra 3 hrs
Cult-Hist 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
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall 15 hrs

ACG 2021 Principles of Financial Accounting 3 hrs
Science 3 hrs
Psy/Soc/Ant 3 hrs
Elective 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs

ACG 2071 Principles of Managerial Accounting 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs
Elective 3 hrs

Junior Year - Fall 15 hrs

GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
FIN 3403C Business Finance 4 hrs

Junior Year - Spring 15 hrs

MAR 3023 Marketing 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
REE Elective 3 hrs

Senior Year - Fall 15 hrs

MAN 3025 Management of Organizations 4 hrs
MAR 3023 Supply Chain and Operations Management 4 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
REE Elective 3 hrs

Senior Year - Spring 16 hrs

MAN 4720 Strategic Management 4 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

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)
   Required HUM 2210 Humanistic Tradition I  3 hrs
   Required HUM 2230 Humanistic Tradition II  3 hrs
   Required REL 2300 World Religions  3 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)
   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
   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
   PHH 3800 Contemporary Philosophy or  3 hrs
   PHI 4804 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

5. 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 4907H Undergraduate Honors Thesis 3 hrs
  - REL 4910 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  - Core, Elective Requirements, and Senior Seminar 36 hrs
  - Honors Thesis 6 hrs
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in each 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 4 hrs

Sophomore Year - Fall 15 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

Junior Year - Fall 15 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

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- REL 3340 Buddhist Thought 3 hrs

Senior Year - Spring 15 hrs
- REL 4910 Senior Research Seminar 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

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging,
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
- 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)
Required MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Required STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
Required PSY 2012 General Psychology or 2 hrs
Required SYG 2000 Introduction to Sociology or 3 hrs
Required ANT 2000 General Anthropology 3 hrs
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
1 HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.
3. Core Requirements: Basic Level
MAC 1105C College Algebra GEP
Select 1: 3 hrs
CGS 2100C Computer Fundamentals for Business or GEP
STA 2023 Statistical Methods I GEP
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or GEP
ECO 2023 Principles of Microeconomics GEP
4. Core Requirements: Advanced Level (55 hrs)
Hospitality Core Requirements 34 hrs
FSS 2221C Techniques of Food Preparation 4 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 3003 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 4266 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr
Restaurant Management Core 18 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3574 Foodservice Marketing, Sales, and Distribution 3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
HFT 4861C Beverage Management 3 hrs
HFT 4844 Sanitation in the Food Service Industry 3 hrs
5. Restricted Electives (15 hrs)
Select 5: 15 hrs
FSS 3008 Culture and Cuisine or 3 hrs
FSS 4135 Corporate Contract and Managed Services Organizations or 3 hrs
FSS 4286C Catering and Banquet Organization or 3 hrs
HFT 3654 Franchising in the Restaurant Industry or 3 hrs
HFT 3868 History and Culture of Wine or 3 hrs
HFT 4266 Hospitality Brand Management or 3 hrs
HFT 4268 Case Studies in Restaurant Management or 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics or 3 hrs
HFT 4343 Hospitality Facilities Management or 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 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.
13. Total Semester Hours Required
■ 120
14. Honors In Major
■ None
15. Related Programs
■ None
16. Certificates
■ None
17. Related Minors
■ None
18. Advising Notes
■ None
19. Transfer Notes
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
■ Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
■ A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.
20. Acceptable Substitutes for Transfer Courses
■ None
21. 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
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - **Select 1:** 3 hrs
    - PSY 2012 General Psychology or 3 hrs
    - SYG 2000 Introduction to Sociology or 3 hrs
    - ANT 2000 General Anthropology 3 hrs

### Freshman Year - Spring
- **15 hrs**
  - ENC 1102 Composition II 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - FSS 2221C Techniques of Food Preparation 4 hrs
  - MAC 1105C College Algebra 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  - HFT 2220 Hospitality Human Resources Management 3 hrs
  - HFT 3263 Restaurant Management 3 hrs
  - **Select 1:** 3 hrs
    - ECO 2013 Principles of Macroeconomics or 3 hrs
    - ECO 2023 Principles of Microeconomics 3 hrs

### Sophomore Year - Spring
- **15 hrs**
  - HFT 2500 Hospitality and Tourism Marketing 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - FSS 3124 Supply and Procurement Management 3 hrs
  - AN 2511 The Human Species 3 hrs

### Junior Year - Fall
- **12 hrs**
  - HFT 3540 Guest Services Management I 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3574 Foodservice Marketing, Sales, and Distribution 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
  - HFT 3940 Internship I 1 hr

### Junior Year - Spring
- **13 hrs**
  - HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
  - HFT 4844 Sanitation in the Food Service Industry 3 hrs
  - HFT 4861C Beverage Management 3 hrs
  - HFT 4941 Internship II 1 hr

### Senior Year - Fall
- **16 hrs**
  - HFT 4268 Hospitality Communications 3 hrs
  - HFT 4944 Internship III 1 hr
  - HFT 4464 Hospitality Industry Finance 3 hrs

### Senior Year - Spring
- **15 hrs**
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

### Program Academic Learning Compacts
- **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)

### Equipment Fees
- **Part-Time Student:** $37.50 per term
- **Full-Time Student:** $75 per term

### Science Education - Biology (B.S.)
- **College of Education and Human Performance**
- **School of Teaching, Learning, and Leadership, Education Building, Room: 209**
  - [http://education.ucf.edu/science/](http://education.ucf.edu/science/)
  - Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862
  - Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu, 407-823-5430

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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 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)** (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 1101 U.S. History: 1492-1877 3 hrs
     - Prefer AMH 2100 U.S. History: 1877-Present 3 hrs
     - Prefer PHI 1010 Introduction to Philosophy 3 hrs
   - **C:** Mathematical Foundations (7 hrs)
     - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
       - **Select 1:**
         - 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)
     - Required PSC 1121 Physical Science 3 hrs
     - Required BSC 2010C Biology I 4 hrs
     - **Select 1:**
       - Required STA 1063C Basic Statistics Using Microsoft Excel or
       - Prefer STA 2014C Principles of Statistics 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
   - 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 2046C Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

   - 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)
   - **Transfer Notes:** Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - BSC 2010C Biology I GEP
   - BSC 2011C Biology II CPP
   - CHM 2045C Chemistry Fundamentals I CPP
   - PSC 1121 Physical Science GEP
UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)
   Education Core Requirements 18 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 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.

Internship I Block 7 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application 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/

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
   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 II 12 hrs
   - At least 50% 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 score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
   - SCE 4941 Internship 12 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
   - 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.
   - 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 2002 General Psychology 3 hrs

Select 1: 3 hrs
- 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
- FSC 1121 Physical Science 3 hrs
- SPC 1068 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 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 15 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
MAC 2211 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
Students in Schools

Junior Year - Fall 14 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr

Select one of the following sequences of courses:
PCB 3063 Genetics and Genomics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
or
PCB 3703C Human Physiology 4 hrs
or
ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring 13 hrs
MCB 3020C General Microbiology 5 hrs
SCE 4361 Programs in Teaching Science 3 hrs
CHM 2205 Introduction to Organic and Biochemistry 5 hrs

Junior Year - Summer 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
EXE 4242 TEA Extraordinary Students in Secondary Settings 3 hrs

Senior Year - Spring 12 hrs
SCE 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/acl/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Science Education - Chemistry (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Gwynedlyn Crittenden, ED 223E, Gwynedlyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA

- 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 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) (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 POL 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
     2 Required PSC 1121 Physical Science 3 hrs
   - 1 A grade of “C-” (1.75) or better is required.
   - 2 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. Common Program Prerequisites (CPP) (21 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - PHY 2053C College Physics I 4 hrs
   - 1 Required BSC 2010C Biology I 4 hrs
   - 2 Required PSC 1121 Physical Science 3 hrs

3. Core Requirements: Basic Level (4 hrs)
   - Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - CHM 2045C Chemistry Fundamentals I CPP
   - PSC 1121 Physical Science GEP
   - PSC 1121L Physical Science Lab 1 hr
   - BSC 2010C Biology I GEP
   - MAC 1114C College Trigonometry GEP
4. Core Requirements: Advanced Level (58 hrs)

Education Core Requirements 18 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 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.

Internship I Block 7 hrs

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application 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/clinicalexpx/

Specialization Requirements 21 hrs

- CHM 2046 Chemistry Fundamentals II CPP
- CHM 2046L Chemistry Fundamentals Laboratory CPP
- PHY 2053C College Physics I CPP
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3210L 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 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 score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended 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/clinicalexpx/
- 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.

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.
- 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 1211 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 1: 3 hrs

- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
Sophomore Year - Fall
EDF 2005  Introduction to the Teaching Profession  3 hrs
BSC 2010C  Biology I  4 hrs
CHM 2045C  Chemistry Fundamentals I  4 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Spring
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
1 EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Summer
PHY 2053C  College Physics I  4 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
CHM 2210  Organic Chemistry I  3 hrs
CHM 3120  Analytical Chemistry  3 hrs
CHM 3120L  Analytical Chemistry Laboratory  1 hr

Junior Year - Spring
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
CHS 3501  Introduction to Forensic Science  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
SCE 4361  Programs in Teaching Science  3 hrs

Junior Year - Summer
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
Students in Schools

Senior Year - Fall
BCH 4053  Biochemistry I  3 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
SCE 3940  Internship  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs

Senior Year - Spring
SCE 4041  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

Science Education - Physics (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Gwendolyn Crittenden, ED 223E, Gwendolyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
 Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
 Have a minimum 2.5 overall GPA
 Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)

Science and Technology Education
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
EDF 2130  Child and Adolescent Development for Educators  3 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP
MAC 2311C  Calculus with Analytic Geometry I  GEP

1 Required  PHY 2048C  Physics for Engineers & Scientists I
Prefer  PHY 2010  Introduction to Physics  3 hrs
Prefer  PHY 2048  Physics for Engineers & Scientists I  GEP
Prefer  PHY 2005  Physics for Engineers & Scientists I  GEP

2 A grade of “C-” (1.75) or better is required.
1 Required  PHY 2010  Introduction to Philosophy  3 hrs

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
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  PHY 2048C  Physics for Engineers & Scientists I  4 hrs
Prefer  PHY 2085  Introduction to Diversity for Educators  3 hrs
Prefer  PHY 2048C  Physics for Engineers & Scientists I  GEP
Prefer  PHY 2005  Physics for Engineers & Scientists I  GEP

Select 1:
1 Required  ANT 2511  The Human Species or
Prefer  BSC 1005  Biological Principles  3 hrs
Prefer

1 A grade of “C-” (1.75) or better is required.
2 A grade of “C-” (1.75) or better is required.

2. Common Program Prerequisites (CPP) (29 hrs)
 See “Common Prerequisites” in the Transfer and Transition Services section for more information.
EDF 2005  Introduction to the Teaching Profession  3 hrs
1 EDF 2040  Introduction to Technology 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  4 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP
PHY 2048C  Physics for Engineers & Scientists I  GEP
PHY 2048C  Physics for Engineers & Scientists I  GEP
CHM 2045C  Chemistry Fundamentals I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

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 (3 hrs)
EDF 2130  Child and Adolescent Development for Educators  3 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP
MAC 2311C  Calculus with Analytic Geometry I  GEP

UNIVERSITY OF CENTRAL FLORIDA
## UCF Degree Programs

### 4. Core Requirements: Advanced Level (66 hrs)

**Education Core Requirements 18 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 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.

**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/).**

**Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.**

**Internship I Block 7 hrs**
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application 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/](http://www.education.ucf.edu/clinicalexp/).**

**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.
- 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 (15 hrs)
- 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:**
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

### Freshman Year - Spring (16 hrs)
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- POS 2041 American National Government 3 hrs

### Undergraduate Catalog 2013-2014

UNIVERSITY OF CENTRAL FLORIDA

**302**
### Freshman Year - Summer
- **MAC 2312** Calculus with Analytic Geometry I 4 hrs
- **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:
- **ANT 2511** The Human Species or 3 hrs
- **BSC 1005** Biological Principles 3 hrs

### Sophomore Year - Spring
- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs

### Sophomore Year - Summer
- **CHM 2046L** Chemistry Fundamentals Laboratory 1 hr

### Junior Year - Fall
- **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- **PHY 3101** Physics for Engineers and Scientists III 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
- **PHY or PHZ 3000 or 4000 level elective** 4 hrs

### Senior Year - Fall
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- **SCE 3940** Internship 3 hrs
- **SCE 4360** Science Instructional Analysis 4 hrs

#### Select 1:
- **SCE 4361** Physics of Scientific Instruments or 3 hrs
- **SCE 4722C** Physics Laboratory-Electronics 3 hrs

### Senior Year - Spring
- **SCE 4941** Internship 12 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](http://www.oias.ucf.edu/alc/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/](http://education.ucf.edu/ssed/)

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

#### Degree Requirements
- Students should see an advisor prior to registering for courses.
- 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.
- 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 preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Required **ENC 1101** Composition I 3 hrs
   - Required **ENC 1102** Composition II 3 hrs
   - Prefer **SCE 1908** 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
     - **STA 1063C** Basic Statistics Using Microsoft Excel or
     - Prefer **STA 2014C** Principles of Statistics 3 hrs

   **D: Social Foundations** (6 hrs)
   - Required **PSY 2012** General Psychology 3 hrs
   - Required **PSY 2014** American National Government 3 hrs

   **E: Science Foundations** (6 hrs)
   - Select 1: 3 hrs
     - **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
   - **AMH 2010** U.S. History: 1492-1877 GEP
   - **AMH 2020** U.S. History: 1877-Present GEP
   - **POS 2041** American National Government GEP
   - **PSY 2012** General Psychology GEP

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.

3. **Core Requirements: Basic Level** (9 hrs)
   - 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

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.
UCF Degree Programs

4. Core Requirements: Advanced Level (66 hrs)
   Education Core Requirements 18 hrs
   - 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 4677 Learning Theory and Assessment, RED 4043 Content Reading
   - Prior to Internship I, the student must have completed Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - EDG 4410 Teaching Strategies and Classroom Management
   - EDF 4467 Learning Theory and Assessment
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools
   - EEX 4242 Teaching Exceptional Students in Secondary Settings
   - RED 4043 Content Reading in Kindergarten through Grade 12

Internship I Block 6 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application 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/clinicalexep/
   - SSE 4361 Social Science Instructional Analysis
   - SSE 3940 Internship

Specialization Requirements 30 hrs
   - GEO 3471 World Political Geography
   - ECO 2023 Principles of Microeconomics
   - EUH 2000 Western Civilization I
   - EUH 2001 Western Civilization II
   - AMH 2010 U.S. History: 1492-1877
   - AMH 2020 U.S. History: 1877-Present
   - POS 2041 American National Government
   - PSY 2012 General Psychology
   - SSE 4936 Programs in Teaching Social Science
   - SSE 4941 Internship
   - Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX)
   - Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)
   - Upper Division American History Elective (AMH prefix courses 3/4XXX)
   - Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)

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 score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended 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/clinicalexep/
   - SSE 4941 Internship

- 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.

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.
   - 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
   - ENC 1101 Composition I
   - MGF 1106 Finite Mathematics
   - PSY 2012 General Psychology

Freshman Year - Spring 12 hrs
   - AMH 2020 U.S. History: 1877-Present
   - ENC 1102 Composition II
   - POS 2041 American National Government

Select 1: 3 hrs
   - ANT 2511 The Human Species
   - BSC 1005 Biological Principles

Graduation: 120 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.
Freshman Year - Summer 6 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs
PHI 2010  Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005  Introduction to the Teaching Profession 3 hrs
ECO 2013  Principles of Macroeconomics 3 hrs
PSC 1121  Physical Science 3 hrs
SYG 2000  Introduction to Sociology 3 hrs

Select 1: 3 hrs
STA 1063C  Basic Statistics Using Microsoft Excel or STA 2014C  Principles of Statistics

Sophomore Year - Spring 12 hrs
ECO 2023  Principles of Microeconomics 3 hrs
EDF 2085  Introduction to Diversity for Educators 3 hrs
EME 2040  Introduction to Technology for Educators 3 hrs
1 EDF 2130  Child and Adolescent Development for Educators 3 hrs

Junior Year - Fall 15 hrs
EDF 4467  Learning Theory and Assessment 3 hrs
EDG 4410  Teaching Strategies and Classroom Management 3 hrs
SSE 4936  Programs in Teaching Social Science 3 hrs
EUH 2000  Western Civilization I 3 hrs
Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

Junior Year - Spring 12 hrs
SSE 4361  Social Science Instructional Analysis 3 hrs
SSE 3940  Internship 3 hrs
GEO 3471  World Political Geography 3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall 15 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
American History Elective (AMH 3/4XXX) 3 hrs
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) 6 hrs

Senior Year - Spring 12 hrs
SSE 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

Social Sciences (B.S.)
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

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students’ awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- 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.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101  Composition I 3 hrs
Required ENC 1102  Composition II 3 hrs

Complete one of the following: 3 hrs
1 Suggested SPC 1608  Fundamentals of Oral Communication or Suggested SPC 1603C  Fundamentals of Technical Presentations or
Preferred COM 1000  Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Statistics:
Required STA 2014C  Principles of Statistics or 3 hrs
Required STA 2023  Statistical Methods I 3 hrs
Math:
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
  Preferred MGF 1107  Explorations in Mathematics or 3 hrs
  Suggested MGF 1106  Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)
Select the following course: 3 hrs
Required POS 2041  American National Government 3 hrs
UCF Degree Programs

Select one of the following, depending on the concentration to be followed.
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level
Select one of the following Statistics courses:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

Select at least three of the following, depending on concentrations to be taken:
- ANT 2000 General Anthropology or GEP
- POS 2041 American National Government or GEP
- PSY 2012 General Psychology or GEP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SYG 2000 Introduction to Sociology GEP

4. Core Requirements: Advanced Level (57 hrs)
Select one methods course: 3 hrs
- POS 3703 Scope and Methods of Political Science or GEP
- PSY 3213 Research Methods in Psychology or GEP
- SYA 4300 Research Methods or GEP
- COM 3311 Communication Research Methods 3 hrs

Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.

5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

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:
- However only one minor may be taken within a single department or school.

- 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

- **Freshman Year - Fall** 16 hrs
  - ENC 1101 Composition I 3 hrs
  - Foreign Language 4 hrs
  - GEP- Math 3 hrs
  - GEP 3 hrs

- **Freshman Year - Spring** 16 hrs
  - Core Course 3 hrs
  - Statistics 3 hrs
  - ENC 1102 Composition II 3 hrs
  - Foreign Language 4 hrs
  - GEP 3 hrs

- **Sophomore Year - Fall** 13 hrs
  - Core Course 3 hrs
  - Elective / Minor 3 hrs
  - GEP 4 hrs
  - GEP 3 hrs

- **Sophomore Year - Spring** 15 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

- **Junior Year - Fall** 15 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs

- **Junior Year - Spring** 15 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs

- **Senior Year - Fall** 15 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

- **Senior Year - Spring** 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

## Social Work (B.S.W.)

### College of Health and Public Affairs

### School of Social Work

#### Health & Public Affairs I, Room: 204

**http://www.cohpa.ucf.edu/social/**

**Email:** socialwk@ucf.edu

Dr. Sophia Dziegielewski, Interim 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**
- **Preferred SPC 1608 Fundamentals of Oral Communication** 3 hrs

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

**C: Mathematical Foundations**
- **(6 hrs)**

**Select 1:**
- **Suggested STA 2014C Principles of Statistics or** 3 hrs
- **Suggested STA 2023 Statistical Methods I** 3 hrs
### UCF Degree Programs

#### Select 1:
- 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:
- 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.
- POS 2041 American National Government GEP
- BSC 1005 Biological Principles GEP
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs

#### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (45 hrs)
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
- SOW 3111 Assessing II: Human Systems 3 hrs
- SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
- SOW 3401 Social Work Research 3 hrs
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW 4730 Documentation in Social Work Practice 3 hrs
- SOW 4232 Social Welfare Policies and Issues 3 hrs
- SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4522 Field Education Seminar 3 hrs
- SOW 4510 Field Education 9 hrs

#### Required Principles of Statistics
- 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

#### Cultural Diversity Requirement 6 hrs
- Choose two of the following suggested courses:
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ASH 4404 China in 19th and 20th Centuries 3 hrs
  - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3363 Islam 3 hrs
  - JST 3401 Jewish People in Antiquity 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
  - JST 3820 Modern Israeli Culture 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Modern Latin America 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - AMH 3561 Women in American History I 3 hrs
  - AMH 3571 Black American History I 3 hrs
  - AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - SOP 3724 Psychology of Prejudice 3 hrs
  - SOP 3742 Psychology of Women 3 hrs
  - ASL 3444 Introduction to Signed English and Culture of the Deaf 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - HSC 3933 HIV Disease: A Human Concern 3 hrs

#### 5. Restricted Electives (6 hrs)
- Select six hours in consultation with faculty advisor.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

#### 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
UCF Degree Programs

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
BSC 1005 Biological Principles 3 hrs
MGF 1010 Finite Mathematics 3 hrs
PAB 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
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: 3 hrs
PSY 2012 General Psychology 3 hrs
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: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
EIH 2000 Western Civilization I or 3 hrs
WOM 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 - Spring 15 hrs
Free Elective 3 hrs

Select 1: 3 hrs
CHM 1020 Concepts in Chemistry or 3 hrs
PSC 1121 Physical Science or 3 hrs
AST 2002 Astronomy 3 hrs

Select 1: 3 hrs
EIH 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
Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
Select 1: 3 hrs
SOW 3104 Assessing I: Human Development or 3 hrs
SOW 3300 Practice I: Generalist Practice in Social Work or 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW Elective 3 hrs

Junior Year - Fall 15 hrs
SOW 3264 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
SOW 3401 Social Work Research 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
Free Elective 3 hrs

Junior Year - Summer 9 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW 4433 Macro-Level Roles and Interventions in Social Work 3 hrs
Free Elective 3 hrs

Senior Year - Fall 18 hrs
SOW 4232 Social Welfare Policies and Issues 3 hrs
SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW 4730 Documentation in Social Work Practice 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 5 hrs
1 SOW 4522 Field Education Seminar 3 hrs
Free Elective 3 hrs

Senior Year - Summer 4 hrs
1 SOW 4941 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

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...
## UCF Degree Programs

### Admission Requirements
- **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, 4912, 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.

### Core Requirements: Basic Level

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
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<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>3 hrs</td>
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### Core Requirements: Advanced Level

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<th>Hours</th>
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<tbody>
<tr>
<td>SYA 4300C</td>
<td>Research Methods</td>
<td>4 hrs</td>
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<tr>
<td>SYA 4450</td>
<td>Data Analysis</td>
<td>4 hrs</td>
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<tr>
<td>SYA 3400C</td>
<td>Applied Social Statistics</td>
<td>4 hrs</td>
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### 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 4505C: Community Action and Involvement, 3 hrs
- SYA 5625: 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
- SYD 3800: Sex and Gender in Society, 3 hrs
- SYD 4510: Environment and Society, 3 hrs
- SYD 4510: Patterns of Violence in Society, 3 hrs
- SYD 4521: Crime Victims in Society, 3 hrs
- SYD 4536: Gangs and Society, 3 hrs
- SYD 4550: Patterns of Drug Abuse in Society, 3 hrs
- SYD 4730: Patterns of Aging in Society, 3 hrs
- SYD 4732: Minority Aging, 3 hrs
- SYD 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, 3 hrs
- SYP 4941: Internship, 3 hrs
- SYP 5944: Internship, 3 hrs
- SYP 3940, SYO, or SYP count toward the restricted electives 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.

### Additional Requirements

- 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
- Africana Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- 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://utc.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

Senior Year - Spring 14 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
Free Elective 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.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://mil.cah.ucf.edu/
Email: fifacult@ucf.edu
Dr. Paul Giordano
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.
6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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312. University Minimum Exit Requirements
Freshman Year - Fall

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

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

AMH 2010 U.S. History: 1492-1877  3 hrs
APR 2500 History of Western Art I  3 hrs
POS 2041 American National Government  3 hrs
PSC 1121 Physical Science  3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I  3 hrs

Sophomore Year - Spring

BSC 1005 Biological Principles  3 hrs
MUL 2101 Enjoyment of Music  3 hrs
COM 1000 Introduction to Communication  3 hrs
SPN 3234 Advanced Directed Readings  3 hrs
Elective / Minor  3 hrs

Junior Year - Fall

SPN 3300 Advanced Spanish Grammar and Composition  3 hrs
SPN 3420 Spanish Composition  3 hrs
SPN 3760 Advanced Spanish Oral Communication  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Junior Year - Spring

SPW 3101 Survey of Spanish Literature II  3 hrs
SPN 4780 Spanish Phonetics  3 hrs
SPN 3141 Business Spanish II  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Senior Year - Fall

SPW 3100 Survey of Spanish Literature I  3 hrs
SPN 4520 Latin American Civilization and Culture  3 hrs
SPN 5705 Introduction to Spanish Linguistics  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Senior Year - Spring

SPW 3131 Survey of Latin-American Literature II  3 hrs
SPW 4381 Latin-American Theatre/Poetry  3 hrs
SPN 4410 Advanced Spanish Conversation  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Sports and Exercise Science (B.S.)
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportsexscience
Jeffrey Stout, sesadvising@ucf.edu, 407-823-0823

The Sport and Exercise Science B.S. program offers students the option of three tracks, Coaching and Human Performance, offered at the Orlando campus, and Community Sport and Fitness, offered at the South Lake campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). The Community Sport and Fitness track is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities.

Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP)  (37 hrs)
   A: Communication Foundations  (9 hrs)
   Required ENC 1101 Composition I  3 hrs
   Required ENC 1102 Composition II  3 hrs
   Prefer 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
   Elective from GEP section B.2  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 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)
   Required BSC 2010C Biology I  4 hrs
   Prefer PSC 1121 Physical Science  3 hrs

2. Common Program Prerequisites (CPP)

   See Transfer Notes for possible substitutes for the following course.
   BSC 2010C Biology I  3 hrs
   GEP

3. Core Requirements: Basic Level  (22 hrs)

   Core Requirements for Sport and Exercise Science:  22 hrs

   ZOO 3736C Exercise Physiology Anatomy  4 hrs
   PET 3065 Introduction to Sport and Exercise Science  3 hrs
   PET 3097 Health and Wellness  3 hrs
   PET 3361 Nutrition and Metabolism in Sport and Exercise Science  3 hrs
   PET 4112C Kinesiology/Biomechanics  3 hrs
   APK 4110C Exercise Physiology  3 hrs
   PET 4550C Assessment and Evaluation in Exercise Science  3 hrs
4. Core Requirements: Advanced Level (24 hrs)
   ▪ Select one of the following tracks

   A. Track 1 - Coaching 24 hrs
      ∘ ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
      ∘ PET 3771 Strength and Conditioning Concepts 3 hrs
      ∘ PET 4050C Motor Development and Learning 3 hrs
      ∘ PET 4215 Motivational Aspects of Athletic Performance 3 hrs
      ∘ PET 4763 Coaching Methods And Principles 3 hrs
      ∘ SPM 3204 Sports and Ethics 3 hrs
      ∘ SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
      Coaching sport specific courses will be selected under electives (PEO course prefix)

   B. Track 2 - Human Performance 24 hrs
      ∘ ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
      ∘ PET 3771 Strength and Conditioning Concepts 3 hrs
      ∘ PET 4050C Motor Development and Learning 3 hrs
      ∘ PET 4215 Motivational Aspects of Athletic Performance 3 hrs
      ∘ PET 4552 Exercise Prescription for Special Populations 3 hrs
      ∘ PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
      ∘ PET 3125 Fitness and Weight Management 3 hrs
      ∘ PET 4088 Physical Activity & Preventive Medicine 3 hrs

   C. Track 3 - Community Sport and Fitness 24 hrs
      ∘ PET 3820 Teaching Sports Skills I 3 hrs
      ∘ PET 4002 Outdoor and Leisure Activities 3 hrs
      ∘ PET 4763 Coaching Methods And Principles 3 hrs
      ∘ SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
      ∘ SPM 3130 Aquatic Management 3 hrs
      ∘ ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
      ∘ SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs
      ∘ SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

5. Restricted Electives (25 hrs)
   ▪ Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
   ▪ Courses are required to be 2000 level or higher.

6. Capstone Requirements (12 hrs)
   ∘ PET 4901 Capstone in Sport and Exercise Science 3 hrs
   Select 1: 9 hrs
      ∘ PET 4926 Sport and Exercise Science Practicum or 9 hrs
      Take 3 additional electives in the program approved by the advisor

   ▪ During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.
   ▪ Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.
   ▪ If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

7. Foreign Language Requirements
   ▪ Admissions
      ▪ (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   ▪ 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 1 requirement.
        ▪ BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.
## UCF Degree Programs

### 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
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</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>GEP section B.2</td>
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</tr>
<tr>
<td>PET 3005</td>
<td>Introduction to Sport and Exercise Science</td>
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<tr>
<td>Elective Courses (2000 level or higher)</td>
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### Freshman Year - Spring

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<tr>
<td>POS 2041</td>
<td>American National Government</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
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<tr>
<td>Elective Courses (2000 level or higher)</td>
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### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>PET 3097</td>
<td>Health and Wellness</td>
<td>3</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3</td>
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<tr>
<td>Elective Course (2000 level or higher)</td>
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</tr>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4</td>
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### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>PET 4312C</td>
<td>Kinesiology/Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>APK 4110C</td>
<td>Exercise Physiology</td>
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<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
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### Human Performance Track

#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
<td>3</td>
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<tr>
<td>Elective Course (2000 level or higher)</td>
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<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
<td>3</td>
</tr>
<tr>
<td>PET 4088</td>
<td>Physical Activity &amp; Preventive Medicine</td>
<td>3</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
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<tr>
<td>PET 4143</td>
<td>Current Issues &amp; Trends in Sport and Exercise Science</td>
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#### Junior Year - Summer

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#### Senior Year - Fall

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<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
<td>3</td>
</tr>
<tr>
<td>PET 4088</td>
<td>Physical Activity &amp; Preventive Medicine</td>
<td>3</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>PET 4143</td>
<td>Current Issues &amp; Trends in Sport and Exercise Science</td>
<td>3</td>
</tr>
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</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>PET 4901</td>
<td>Capstone in Sport and Exercise Science</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Select 1: 9 hrs

- PET 4926 | Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor | 9 |

### Coaching Track

#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4312C</td>
<td>Kinesiology/Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>APK 4110C</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>Elective Course (2000 level or higher)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Select 1: 9 hrs

- PET 4926 | Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor | 9 |

### 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)
Statistics (B.S.)

College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, 407-823-2289
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 3052  Probability and Statistics for Engineers  3 hrs

1. UCF General Education Program (GEP)  (39 hrs)
A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
C: Mathematical Foundations  (7 hrs)
Required  MAC 2311C Calculus with Analytic Geometry I  4 hrs
Required  STA 2023 Statistical Methods I  3 hrs

D: Social Foundations  (6 hrs)
Economics  3 hrs
Prefer  ECO 2013 Principles of Macroeconomics  3 hrs

Social Sciences: Select one.  3 hrs
Required  ANT 2000 General Anthropology or
Required  PSY 2012 General Psychology or
Required  SYG 2000 Introduction to Sociology  3 hrs

E: Science Foundations  (8 hrs)
Life Science:  4 hrs
Required  BSC 2010C Biology I  4 hrs

Physical Science:  4 hrs
Required  CHM 2045C Chemistry Fundamentals I or
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  4 hrs
MAC 2312 Calculus with Analytic Geometry II  4 hrs
MAC 2313 Calculus with Analytic Geometry III  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 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.

- or complete both
- Lecture plus lab count as one semester.

- or
- STA 3096 Statistical Graphics  3 hrs

4. Core Requirements: Advanced Level  (43 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
COP 3502C Computer Science I  3 hrs
COT 4500 Numerical Calculus  3 hrs

Select from the following courses;  4 hrs
MAS 3105 Matrix and Linear Algebra or
MAS 3106 Linear Algebra  4 hrs

Select from the following courses;  3 hrs
COT 3100C Introduction to Discrete Structures or
MHF 3302 Logic and Proof in Mathematics  3 hrs

Select from the following courses;  12 hrs
STA 3996 Statistical Graphics or
STA 4173 Biostatistical Methods or
STA 4183 Theory of Interest or
STA 4184 Introduction to Derivative Markets or
STA 4186 Theory of Derivative Pricing or
STA 4222 Sample Survey Methods or
STA 4502 Nonparametric Statistical Methods or
STA 4504 Categorical Data Analysis or
STA 4664 Statistical Quality Control or
STA 4852 Applied Time Series  3 hrs

3. Core Requirements: Basic Level  (43 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;

Core: Required, satisfies the CPP
COP 3223 Introduction to Programming with C and CPP
MAC 2311C Calculus with Analytic Geometry I and CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
STA 2023 Statistical Methods I and CPP

- and two semesters equivalent within the following:
- These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
CHM 2045C Chemistry Fundamentals I and GEPCPP
STA 3032 Probability and Statistics for Engineers and GEPCPP

- 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 GEPCPP
CHM 2041 Chemistry Fundamentals IB and GEPCPP

- and complete both
- Lecture plus lab count as one semester.
CHM 2046 Chemistry Fundamentals II and CPP
CHM 2046L Chemistry Fundamentals Laboratory CPP

- or
- BSC 2010C Biology I or GEPCPP
BSC 2011C Biology II or CPP
PHY 2048C Physics for Engineers & Scientists I or GEPCPP
PHY 2049C Physics for Engineers and Scientists II CPP

UNIVERSITY OF CENTRAL FLORIDA
5. Restricted Electives (6 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 2333 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
  - All 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 4 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

Related Minors
- Statistics
- Mathematics

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://chemplacement.sdes.ucf.edu
- 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 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:
- 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 4102 Computer Processing of Statistical Data 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Take SOA EXAM P (Probability).
UCF Degree Programs

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
http://education.ucf.edu/teched/
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.

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 4382 Teaching Adult Learners in Technical Programs 3 hrs
   ECT 3062 Professional Roles of the Career & Technical Teacher 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:
- 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 specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Restricted Electives (18 hrs)
   Upper Division Electives (6 hrs)
   - With advisor's approval

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
<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
<th>Select 1:</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
<td>STA 1063C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Foundations Course</td>
<td>3 hrs</td>
<td>Cultural-Historical Foundations Course</td>
<td>3 hrs</td>
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<tr>
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<tr>
<td>Social Foundations Course</td>
<td>3 hrs</td>
<td>Technical Specialization Course</td>
<td>3 hrs</td>
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<tr>
<td>Sophomore Year - Fall</td>
<td>12 hrs</td>
<td>Science Foundations Course</td>
<td>3 hrs</td>
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<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
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<td>EME 2040 Introduction to Technology for Educators</td>
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<td>Technical Specialization Course</td>
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<tr>
<td>Science Foundations Course</td>
<td>3 hrs</td>
<td>Foreign Language Course (if needed)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Sophomore Year - Spring</td>
<td>12 hrs</td>
<td>Technical Specialization Course</td>
<td>3 hrs</td>
</tr>
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<td>EDF 2085 Introduction to Diversity for Educators</td>
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<td>Technical Specialization Course</td>
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<tr>
<td>Technical Specialization Course</td>
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<td>Science Foundations Course</td>
<td>3 hrs</td>
<td>Foreign Language Course (if needed)</td>
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<td>Sophomore Year - Summer</td>
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<td>ECW 3564 Special Populations in Career &amp; Technical Education</td>
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<td>Select 1:</td>
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<td>ECW 3312 Course Construction in Health Occupations</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Education or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3371 Course Construction in Industrial Education</td>
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<td>Junior Year - Fall</td>
<td>15 hrs</td>
<td>ECT 3365 General Methods/Testing Evaluation in Career &amp; Technical Education</td>
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<td>Junior Year - Spring</td>
<td>15 hrs</td>
<td>ECT 3062 Professional Roles of the Career &amp; Technical Teacher</td>
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<td>ECT 3367 Evaluation of Career &amp; Technical Education Instruction</td>
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<td>ECT 4004 Principles and Practices of Technical Education</td>
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<td>ECT 4184 Curriculum Development Techniques for Industry Training</td>
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<td>ECT 4384 Advanced Teaching Techniques for Career Education</td>
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<tr>
<td>Department of Theatre</td>
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</tr>
<tr>
<td>Performing Arts Center, Room: T210A</td>
<td><a href="http://theatre.cah.ucf.edu/">http://theatre.cah.ucf.edu/</a></td>
<td>Email: <a href="mailto:theatre@ucf.edu">theatre@ucf.edu</a></td>
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<tr>
<td>Be Boyd. Coordinator: Acting, <a href="mailto:Belinda.Boyd@ucf.edu">Belinda.Boyd@ucf.edu</a></td>
<td></td>
<td>Molly McCarter, Coordinator: Stage Management, <a href="mailto:molly.mccarter@ucf.edu">molly.mccarter@ucf.edu</a></td>
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<tr>
<td>Bert Scott. Coordinator: Design &amp; Tech, <a href="mailto:Bert.Scott@ucf.edu">Bert.Scott@ucf.edu</a></td>
<td></td>
<td>Phone: 407-823-2862</td>
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| 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 either 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, black & white or 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.
UCF Degree Programs

- 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 fall 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. Semesters 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 department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other department 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 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, 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 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. 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.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- 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 website 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)
   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or
   Suggested MGF 1106 Finite Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Test.
   Statistics - Computers 3 hrs
   Select a course from GEP C 2 list
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   The 2020 Survey of Theatre for Majors GEP
   The 2304 Script Analysis for Theatre 3 hrs
   The 2090L Theatre Participation-Management I 1 hr
   TPP 2290L Theatre Participation-Production I 1 hr
   TPP 3310C Directing for Theatre I 3 hrs
   Acting 3 hrs
   Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting
   TPP 2110C Acting I - Introduction or
   TPP 2101 Fundamentals of Acting 3 hrs

Technical Theatre Production or Stagecraft I
- Acting Select Technical Theatre Production sequence.
- Design & Technology and Stage Management select Stagecraft I.
- TPP 2201 Technical Theatre Production and 2 hrs
- TPP 2201L Technical Theatre Production Lab 1 hr
- or TPP 2210 Stagecraft I 3 hrs
### UCF Degree Programs

#### Acting II or Stagecraft II
- Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.
  - TPP 2170C  Acting II - The Actor Prepares **3 hrs**
  - or
  - TPA 2211  Stagecraft II **3 hrs**

#### Design Basics or Elective
- Design & Technology and Stage Management select
  - TPA 2000C. Acting Select Elective.
  - TPA 2000C  Theatre Design Basics **3 hrs**
  - or
  - Theatre Elective offered by Theatre Department (DAA, TPA, TPP Prefix)

#### Select 1:
- **3 hrs**
  - TPA 3060C  Scenic Design for Theatre I or **3 hrs**
  - TPA 3045C  Costume Design for Theatre I **3 hrs**

#### Select 1:
- **3 hrs**
  - TPA 3223C  Lighting Design for Theatre I or **3 hrs**
  - TPA 3265C  Sound Design for Theatre I **3 hrs**

### Design & Technology Specialization **64 hrs**
- ARH 2051  History of Western Art II and **3 hrs**
  - GEP
- TPA 2210L  Stagecraft I Lab and **1 hr**
  - TPA 2211L  Stagecraft II Lab and **1 hr**
- TPP 2170C  Introduction to Theatre Production **2 hrs**
- TPP 2220C  Stage Electronics and **3 hrs**
  - 1 TPA 4298L  Theatre Participation-Production II and **1 hr**
  - 1 TPA 4298L  Theatre Participation-Production II and **1 hr**
  - TPA 2071C  Theatre Rendering and **3 hrs**
  - TPA 2010C  Scenography and **3 hrs**
  - THE 4284  Period Costume, Architecture, and Decor I **3 hrs**
  - THE 4285  Period Costume, Architecture, and Decor II and **3 hrs**
  - TPA 3195L  Summer Theatre Studio/Design I and **3 hrs**
  - TPA 3197L  Summer Theatre Studio/Design I and **3 hrs**
  - TPA 2230C  Costume Construction and **3 hrs**
  - TPA 4250C  CADD for Theatre and **2 hrs**
  - TPA 4251C  Advanced CADD for Theatre and **2 hrs**
  - TPA 4401C  Theatre Careers in Production and **3 hrs**
  - TPA 3077C  Scene Painting and **3 hrs**
  - TPA 2600  Stage Management Basics and **3 hrs**
  - TPA 3601  Stage Management and **3 hrs**
  - TPA 4066C  Advanced Scenography and **3 hrs**
  - TPA 4940L  Theatre Internship and **6 hrs**
  - Design Electives (see list of courses, choose three) **9 hrs**

#### 5. Restricted Electives
- **(except where required for a specialization - see specializations for credit hours)**
  - Choose from the following:
    - THE 4093L  Theatre Participation-Management II **1 hr**
    - THE 3240  Musical Theatre Survey **3 hrs**
    - THE 5307  Contemporary Theatre Practice **3 hrs**
    - TPA 3077C  Scene Painting **3 hrs**
    - TPA 3383C  Topics in Technical Theatre **2 hrs**
    - TPA 3060C  Scenic Design for Theatre **3 hrs**
    - TPA 4061C  Costume Design for Theatre II and **3 hrs**
    - TPA 3045C  Costume Design for Theatre I **3 hrs**
    - TPA 3223C  Lighting Design for Theatre I **3 hrs**
    - TPA 3265C  Sound Design for Theatre I **3 hrs**
    - TPA 4041C  Costume Design for Theatre II and **3 hrs**
    - TPA 4224C  Lighting Design for Theatre II **3 hrs**
    - TPA 4264C  Sound Design for Theatre II **3 hrs**
    - TPA 4384C  Advanced Topics in Technical Theatre **3 hrs**
    - TPA 3195L  Summer Theatre Studio/Design I and **3 hrs**
    - TPA 3197L  Summer Theatre Studio/Design I and **3 hrs**
    - TPA 2600  Stage Management Basics **3 hrs**
    - TPA 3601  Stage Management and **3 hrs**
    - TPA 4400  Theatre Management and **3 hrs**
    - TPA 3398L  Theatre Participation-Production II and **3 hrs**
    - TPA 3197L  Summer Theatre Studio/Design I and **3 hrs**
    - TPA 4041C  Costume Design for Theatre II and **3 hrs**
    - TPA 3601  Stage Management and **3 hrs**
    - TPA 4066C  Advanced Scenography and **3 hrs**
    - TPA 4940L  Theatre Internship and **6 hrs**
    - Design Electives (see list of courses, choose three) **9 hrs**

#### Stage Management Specialization **58 hrs**
- TPA 2211L  Stagecraft II Lab and **1 hr**
- TPA 4298L  Theatre Participation-Production II and **1 hr**
  - 1 TPA 4298L  Theatre Participation-Production II and **1 hr**
- TPA 4400  Theatre Management and **3 hrs**
- TPA 2010C  Scenography and **3 hrs**
- TPA 2220C  Stage Electronics and **3 hrs**
- TPA 2600  Stage Management Basics and **3 hrs**
- TPA 3601  Stage Management and **3 hrs**
- TPA 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 **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**
- TPA 3103  Intermediate Acting and **3 hrs**
- TPA 2170C  Introduction to Theatre Production **2 hrs**
- TPA 4940L  Theatre Internship and **6 hrs**
- Restricted Electives (see list of courses) **8 hrs**
UCF Degree Programs

1. Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Design Electives
- (for Design and Technology Specialization)
- Select three from the following:
  - TPA 3050C  Scenic Design for Theatre I  3 hrs
  - TPA 3045C  Costume Design for Theatre I  3 hrs
  - TPA 3223C  Lighting Design for Theatre I  3 hrs
  - TPA 3265C  Sound Design for Theatre I  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
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a Theatre GPA of "B" (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by STA 1063C, 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

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:
  - THE 2081C is a required course taught in conjunction with THE 2020. You must take THE 2081C at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
  - THE 2304 may use any introductory Theatre Directing course.
  - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
  - TPA 2201 may be substituted with any introductory Stagecraft course.
  - TPP 3310C  Directing for Theatre I  3 hrs may be substituted with TPP 2300
- Or any introductory Theatre Directing course.

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: $45 per term
- Full-Time Student: $90 per term

Theatre - Musical Theatre Track (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu
Earl Weaver, Earl.Weaver@ucf.edu
Phone: 407-823-2862

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 and 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 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, black & white or 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 UC 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 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 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 removal 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 website 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 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Test.

#### Statistics - Computers

- 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.**

### 3. Core Requirements: Basic Level (20 hrs)

- MUS 1121 Theory I 4 hrs
- MUS 1122 Theory 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
- THE 2081C Introduction to UCF Theatre 3 hrs

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**REGENTS’ REQUIREMENT** The Regents’ Requirement for a Baccalaureate Degree at the University of Central Florida requires that all students complete a minimum of 12 hours in the natural sciences or mathematics.

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**Transitions Services** Students who change majors should contact Transitions Services section for more information.
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (50 hrs)

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<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
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<td>TPP 3251</td>
<td>Musical Theatre Acting I</td>
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<td>TPP 3262</td>
<td>Musical Theatre Acting II</td>
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<td>TPP 4223C</td>
<td>Theatre Careers for Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: 2 hrs

1. (1 credit course, must be taken twice)
   - TPA 4298L Theatre Participation-Production II or
   - THE 4093L Theatre Participation-Management II or
   - TPP 4193L Theatre Participation-Performance II

2. (2 hr class must be taken twice)

#### Movement Electives 2 hrs

- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

#### Select 1: 2 hrs

- TPP 4031C Period Movement or
- TPP 4512C Stage Combat

#### 5. Restricted Electives (1 hr)

- Chosen from the following
  - DAN 3134 Dance History I
  - DAA 3612 Dance Improvisation/Composition I
  - DAA 2100C Modern Dance I
  - DAA 3684 Dance Performance
  - DAA 2521C Tap Dance II
  - DAA 3524C Tap Dance III
  - DAA 3208C Ballet III
  - DAA 2101C Modern Dance II
  - DAA 3108C Modern Dance III
  - DAA 2393C World Dance
  - DAA 3645 Choreography Practicum
  - TPP 4730C Dialects
  - TPP 4142C Acting Verse
  - TPP 4265C Camera Acting
  - TPP 4268C Acting VII Advanced Acting For TV/Film
  - THE 4030 Cultural Diversity in Theater
  - THE 5307 Contemporary Theatre Practice
  - TPA 3195L Summer Theatre Studio/Design I
  - TPA 3197L Summer Theatre Studio/Design II
  - TPA 3199L Summer Theatre/Performance
  - TPA 3952L Summer Studio Performance
  - TPP 4143C Acting Styles
  - TPA 2600 Stage Management Basics
  - TPA 4400 Theatre Management
  - THE 4284 Period Costume, Architecture, and Decor I
  - THE 4285 Period Costume, Architecture, and Decor II
  - TPP 4221 Auditioning
  - THE 3313 Theatre History and Dramatic Literature II
  - 1 TPP 4311C Advanced Directing for Theatre
  - THE 3393 Theatre Practical Production II
  - TPA 4288L Theatre Participation-Production II
  - TPA 4310L Theatre Participation-Performance II
  - TPA 3601 Stage Management
  - TPP 4513C Stage Combat
  - TPP 4242C Circus Arts
  - THE 4423 Women in Theatre
  - THE 4543 Theatre for Social Change
  - THE 4242 Global Theatre
  - THE 3383 Taboo Theatre: Sex & Violence on Stage
  - THE 3250 Sex, Drugs, & the Rock and Roll Musical
  - Honors in the Major Directed Readings and Thesis
  - THE 4912 Undergraduate Research (see #1 footnote)
  - THE 3905 Independent Study (see #1 footnote)

1. *Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

<table>
<thead>
<tr>
<th>Admissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

#### 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:
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - may be substituted with:
    THE 2304 Script Analysis for Theatre 3 hrs
    TPA 2201 Technical Theatre Production Management 2 hrs
    may be substituted with:
    TPA 2210 Technical Theatre Production Management 2 hrs
    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

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.cieas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Theatre Studies (B.A.)

College of Arts and Humanities

Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Ciara Wilson, 407-823-2169
Phone: 407-823-2862

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 can choose 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.
- 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. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

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 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 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 website 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 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) |
| B: Cultural & Historical Foundations | (9 hrs) |
| Required | THE 2020 Survey of Theatre for Majors 3 hrs |
| Select one course from 1.8.1 list | 3 hrs |
| Select one course from 1.8.2 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 |
| or | You may substitute a higher level math with appropriate scores on the Math Placement Test. |

Statistics - Computers

Select a course from GEP C.2 list 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 2304 Script Analysis for Theatre 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
TPA 2201 Technical Theatre Production Management 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPP 3310C Directing for Theatre I 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
TPP 2701C Fundamentals of Acting 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level

- None
UCF Degree Programs

4. Core Requirements: Advanced Level (10 hrs)
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - THE 3313 Theatre History and Dramatic Literature III 3 hrs
   - TPA 2661 Introduction to UCF Theatre 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs

Select 1:
   - TPA 4298L Theatre Participation-Production II or 1 hr
   - THE 4093L Theatre Participation-Management II or 1 hr
   - TPP 4193L Theatre Participation-Performance II or 1 hr

5. Restricted Electives (16 hrs)
   - Select 16 hours from the following:
     - THE 4230 Cultural Diversity in Theater 3 hrs
     - THE 3062 Theatre Careers 3 hrs
     - TTP 4143C Acting Styles 3 hrs
     - TPP 3264C Acting on Camera 3 hrs
     - THE 2025 Introduction to Theatrical Design 3 hrs
     - THE 3240 Musical Theatre Survey 3 hrs
     - TPA 4193L Theatre Participation-Performance II 1 hr
     - TPA 4298L Theatre Participation-Production II 1 hr
     - TPP 4193L Theatre Participation-Performance II 1 hr
     - THE 5307 Contemporary Theatre Practice 3 hrs
     - TPA 2248C Makeup Techniques 2 hrs
     - THE 4284 Period Costume, Architecture, and Decor I 3 hrs
     - THE 4285 Period Costume, Architecture, and Decor II 3 hrs
     - TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
     - TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
     - TPA 2600 Stage Management Basics 3 hrs
     - TPA 4400 Theatre Management 3 hrs
     - TPP 3103 Intermediate Acting 3 hrs
     - TPA 3197L Summer Theatre/Performance 3 hrs
     - TPA 3952L Summer Studio Performance 3 hrs
     - TPP 4511C Advanced Directing for Theatre 3 hrs
     - TPA 3601 Stage Management 3 hrs
     - TPA 4243C Circus Arts 2 hrs
     - THE 4912 Directed Independent Research 1 hr
     - TTP 4512C Stage Combat 2 hrs
     - THE 4423 Women in Theatre 3 hrs
     - THE 4534 Theatre for Social Change 3 hrs
     - TPA 4212 Global Theatre 3 hrs
     - THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
     - THE 3250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
     - Any DAA or DAN courses taught by the theatre department 2 hrs
     - with departmental approval
     - Honors in the Major Directed Readings and Thesis (see #1 footnote) 3 hrs

1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions: Met by graduation requirement
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - Theater Studies BA students must complete a minor of at least 18 hours. See 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.

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Theatre course.
    - Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
    - Complete an Exit Survey, and Exit Interview/Audit
    - Minimum of 30 theatre credits must be completed in residency at UCF.
    - Computer Competency met by the following or
    - Computer Science Course: 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
- Art
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- 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.
- 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 THE 2020 Survey of Theatre for Majors 3 hrs
   may be substituted with:
   - THE 2304 Script Analysis for Theatre 3 hrs
   - THE 2304 Script Analysis for Theatre 3 hrs
   - TPA 2201 Technical Theatre Production 2 hrs
   - TPA 2201 Technical Theatre Production 2 hrs
   - TPA 3310C Directing for Theatre I 3 hrs
   - TPP 2101 Fundamentals of Acting 3 hrs

2 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None
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 Verkl, ED 220L, Karen.Verkl@ucf.edu, 407-823-5235
Dr. Janet Andraesen, ED 123Q, Janet.Andraesen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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.

A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3hrs
   - Required ENC 1102 Composition II 3hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3hrs

B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3hrs
   - Prefer PHI 2010 Introduction to Philosophy 3hrs

C: Mathematical Foundations (6 hrs)
   - Select 1: STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3hrs

Select 1: (3 hrs)
   - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3hrs

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

E: Science Foundations (6 hrs)
   - Prefer PSC 1120 Physical Science 3hrs

Select 1: (3 hrs)
   - Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 3hrs

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 3hrs
   - EDF 2085 Introduction to Diversity for Educators 3hrs
   - EME 2040 Introduction to Technology for Educators 3hrs
   - FRE 2201 Intermediate French Language and Civilization II 3hrs
   - FRE 3300 French Grammar 3hrs
   - FRE 3420 French Composition 3hrs
   - FRW 3100 Survey of French Literature I 3hrs

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)
   - EDF 2130 Child and Adolescent Development for Educators 3hrs

4. Core Requirements: Advanced Level (60 hrs)
   - Education Core Requirements 18 hrs
     - 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.

1 EDF 4410 Teaching Strategies and Classroom Management 3hrs
2 EDF 4467 Learning Theory and Assessment 3hrs
3 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3hrs
4 RED 4043 Content Reading Kindergarten through Grade 12 3hrs
5 EEX 4242 Teaching Exceptional Students in Secondary Settings 3hrs
6 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3hrs

1 Required prior to Internship I
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

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.
- 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.

1 FLE 3940 Internship 3hrs

Specialization Requirements 24 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3hrs
- FLE 3760 Advanced French Oral Communication 3hrs
- FRW 3101 Survey of French Literature II 3hrs
1 FLE 4421 Advanced French Conversation 3hrs
2 FLE 4422 Advanced French Composition 3hrs
2 Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent)

1 Required prior to Internship I.
2 FLE 3410 and FLE 3423 may substitute for FLE 4421 and FLE 4422.
## UCF Degree Programs

### 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
  - **Freshman Year - Summer**
    - PHI 2010 Introduction to Philosophy 3 hrs
    - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - **Sophomore Year - Fall**
    - EDF 2005 Introduction to the Teaching Profession 3 hrs
    - EDF 2130 Child and Adolescent Development for Educators 3 hrs
    - FRE 2201 Intermediate French Language and Civilization 3 hrs
  - **Select 1:**
    - STA 2014C Principles of Statistics or 3 hrs
    - STA 2063C Basic Statistics Using Microsoft Excel 3 hrs
  - **Sophomore Year - Spring**
    - EDF 2130 Child and Adolescent Development for Educators 3 hrs
    - FRE 3780 French Phonetics and Diction 3 hrs
    - FRE 3760 Advanced French Oral Communication 3 hrs
    - FRW 3101 Survey of French Literature I 3 hrs
    - **Select 1:**
      - ANT 2511 The Human Species or 3 hrs
      - BSC 1005 Biological Principles 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
    - **Select 1:**
      - FLE 3760 Advanced French Oral Communication 3 hrs
      - FLE 3780 French Phonetics and Diction 3 hrs
      - FLE 4422 Advanced French Composition 3 hrs
      - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - **Junior Year - Summer**
    - FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
    - FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
    - **Select 1:**
      - FLE 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 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.
### UCF Degree Programs

#### World Languages Education - Spanish (B.S.)

**College of Education and Human Performance**  
**School of Teaching, Learning, and Leadership,**  
**Education Building, Room: 209**  
[http://www.education.ucf.edu/language][1]  
**Email:** kverkler@mail.ucf.edu  
Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235  
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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.

#### 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)
- Prefer MGF 1106 Finite Mathematics 3 hrs

#### Select 1: 3 hrs
- 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 (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
- EDF 2085 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)
- Other Program Requirements 3 hrs

#### 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

### 4. Core Requirements: Advanced Level (60 hrs)

**Education Core Requirements** 18 hrs

- 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 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>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I
2. Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

**Internship I** 3 hrs

- Program Internship I Prerequisites: EDF 4410, EDF 4467, TSL 4080, RED 4043, 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.
- 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][2].

**Full-Time Student: $24 per term**
**Part-Time Student: $12 per term**

[http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm][3]


[http://www.education.ucf.edu/language][5]

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[1]: http://www.education.ucf.edu/language
[2]: http://www.clinicalexperiences.education.ucf.edu
[3]: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
[4]: http://www.clinicalexperiences.education.ucf.edu
[5]: http://www.education.ucf.edu/language
UCF Degree Programs

Specialization Requirements 21 hrs
1. FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
2. FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

SPN 3760 Advanced Spanish Oral Communication 3 hrs
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

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 Morfosyntax 3 hrs

Internship II Block 12 hrs
1. 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.
2. Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended 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.
3. 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.
4. FLE 4941 Internship 12 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
1. 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
1. None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
1. Achieve a minimum 2.5 GPA in all courses within the major.
2. Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
3. Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
1. A 2.0 UCF GPA
2. 60 semester hours earned after CLEP awarded
3. 48 semester hours of upper division credit completed
4. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
5. 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
1. EDF 2130 Child and Adolescent Development for Educators  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  3 hrs
STA 1063C Basic Statistics Using Microsoft Excel  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 Civilization II  3 hrs

Select 1: 3 hrs
BSC 1005 Biological Principles or  3 hrs
ANT 2511 The Human Species  3 hrs
<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
</tr>
<tr>
<td>SPN 3344</td>
<td>Advanced Spanish Native Fluency I</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
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<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II</td>
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<tr>
<td>SPN 4520</td>
<td>Latin American Civilization and Culture</td>
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**Junior Year - Spring** | 12 hrs |
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<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
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<tr>
<td>SPN 3345</td>
<td>Advanced Spanish Native Fluency II</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
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**Junior Year - Summer** | 9 hrs |
<table>
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<tr>
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<tbody>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
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**Senior Year - Fall** | 12 hrs |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
</tr>
<tr>
<td>FLE 3940</td>
<td>Internship</td>
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**Select 1:** | 3 hrs |
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<tbody>
<tr>
<td>SPN 4410</td>
<td>Advanced Spanish Conversation or</td>
</tr>
<tr>
<td>SPN 4421</td>
<td>Advanced Spanish Composition or</td>
</tr>
<tr>
<td>SPN 4510</td>
<td>Spanish Civilization and Culture</td>
</tr>
</tbody>
</table>

**Select 1:** | 3 hrs |
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<tbody>
<tr>
<td>SPN 3852</td>
<td>Bilinguismo or</td>
</tr>
<tr>
<td>SPN 4800</td>
<td>Spanish-American Syntax or</td>
</tr>
<tr>
<td>SPN 4801</td>
<td>Spanish Morphosyntax</td>
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</table>

**Senior Year - Spring** | 12 hrs |
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<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship</td>
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</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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1 This course may be taken in the Fall of the senior year with consent of Instructor.
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed. A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors

Accounting
Actuarial Science
Aerospace Studies
Africana Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
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
French
Global Peace and Security Studies
Health Informatics and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Human Communication
Humanities
Information Technology
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nonprofit Management/National Certification Program in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
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
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
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Health Communications 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
Minors

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 4001 Taxation of Business Entities and Transactions 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4453 Financial Models 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence 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.
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 4163 Statistical Methods II 3 hrs
STA 4154 Statistical Methods III 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs

Required Courses (25 hrs)
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 4 hrs
STA 4183 Theory of Interest 3 hrs
STA 4184 Introduction to Derivative Markets 3 hrs
STA 4186 Theory of Derivative Pricing 3 hrs
STA 4852 Applied Time Series 3 hrs

Required Courses
■ None
Total Semester Hours Required
■ 25

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, ROTC Trailer, Room: 103
Colonel Todd M. Freece
Phone: 407-823-1247

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (16 hrs)
Required Courses
■ None

AER 1101C The Air Force Today I 1 hr
AER 1111C The Air Force Today II 1 hr
AER 2130C The Development of Air Power I 1 hr
AER 2131C The Development of Air Power II 1 hr
AER 3220C Air Force Leadership and Management I 3 hrs
AER 3230C Air Force Evaluation and Management II 3 hrs
AER 4201C National Security Affairs and Prep for Active Duty I 3 hrs
AER 4210C National Security Affairs and Prep for Active Duty II 3 hrs

This minor is designed to provide the student with an understanding of the roles and responsibilities of the Air Force, as well as an understanding of the military organization and the history of the United States Air Force. The student will take a series of courses that will cover the history of the Air Force, its role in national security, and the organization and leadership of the Air Force. The student will also be introduced to the principles of military leadership, planning, and decision-making.

Minors
### Africana Studies - Minor

**College of Arts and Humanities**

**Colbourn Hall, Room: 110**


Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AFA 3102</td>
<td>Introduction to Africana Studies: A Multidisciplinary Approach</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3006</td>
<td>The African Diaspora: Theories and Movements</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**
- AFA 4242 Contemporary Issues in Africana Studies 3 hrs
- AFA 4015 Documenting Africana Heritage and Life 3 hrs

**Restricted Electives**

- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from one of the following areas of specialization:

**General-Interdisciplinary**

- Select two from the following
  - AML 3613 Narratives of Slavery or 3 hrs
  - ANT 3319 Anthropology of Diaspora or 3 hrs
  - FIL 3851 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 or 3 hrs

**Caribbean/ Central, South America**

- 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 3851 Black Cinema or 3 hrs
  - LAH 3470 History of the Caribbean or 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 16

### Aging Studies - Minor

**College of Health and Public Affairs**

**School of Social Work,**

**Health & Public Affairs I, 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.
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
  - 1 SOW 4510 Field Education 9 hrs
  - 2 SOW 4941 Internship 9 hrs

For full-time social work majors. Cannot be used with SOW 4941.
For part-time social work majors. Cannot be used with SOW 4510.

Required Courses (9 hrs)
- Literature and Humanities 3 hrs
  - Select 1:
    - AML 3031 American Literature I or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4261 Literature of the South or 3 hrs
    - AML 3862 Ethnic Literature in America 3 hrs

- Social Sciences 3 hrs
  - Select 1:
    - 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

- History 3 hrs
  - Select 1:
    - AMH 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

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
- A minimum grade of “C” (2.0) is required 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.

American Studies - Minor

College of Arts and Humanities
CAH Dean's Office, Room: 190
http://www.cah.ucf.edu/
Lynn Hepner, lynn.hepner@ucf.edu
Phone: 407-823-2251

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Ant 2000 General Anthropology 3 hrs

Anthropology - Minor

College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses 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
## Minors

**Restricted Electives (15 hrs)**

### A. Concentration in General Anthropology (15 hrs)
- **ANT 2140** Archaeology and the Rise of Human Culture 3 hrs
- **ANT 2410** Cultural Anthropology 3 hrs
- **ANT 2511** The Human Species 3 hrs
- Select additional upper level (3000-5999) Anthropology courses 6 hrs

### 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 306** 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 3158** 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
- ³ **ANT 4183** Archaeological Sciences or 3 hrs
- ³ **ANT 4184** Mortuary Archaeology or 3 hrs
- **ANT 4824** Advanced Archaeological Fieldwork or 9 hrs
- **ANG 5166** Problems in Maya Studies or 3 hrs
- **ANG 5167** Maya Hieroglyphs or 3 hrs
- **ANG 5228** Maya Iconography or 3 hrs
- **ANG 5622** Maya Field Research or 3 hrs

¹ or its graduate equivalent.

### C. Concentration in Physical Anthropology (15 hrs)
- **ANT 2511** The Human Species 3 hrs

**Select from the following courses;** 12 hrs

- **ANT 3146** Life and Death in Ancient Egypt or 3 hrs
- **ANT 3541** Biobehavioral Anthropology or 3 hrs
- **ANT 3550C** Primateology or 3 hrs
- **ANT 4183** Archaeological Sciences or 3 hrs
- ³ **ANT 4184** Mortuary Archaeology or 3 hrs
- **ANT 4462** Medical Anthropology or 3 hrs
- ³ **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 4580** Anthropological Perspectives on Human Growth or 3 hrs
- **ANT 4586C** Human Origins or 3 hrs
- **ANG 5742** Problems in Forensic Anthropology or 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/Seminole Relations or 3 hrs
- ³ **ANT 4332** People and Cultures of Latin America or 3 hrs
- ³ **ANT 4303** Prehistory or 3 hrs
- **ANT 4702** Culture, Power and Development or 3 hrs
- **ANT 4802** Ethnographic Field Methods or 3 hrs
- **ANT 3363** Anthropology of Japan or 3 hrs
- ² **ANT 3610** Language and Culture or 3 hrs
- **ANT 4340** Caribbean Cultures or 3 hrs
- **ANT 3319** Anthropology of Diaspora or 3 hrs
- **ANT 4034** History of Anthropological Thought or 3 hrs
- **ANT 4266** Economic Anthropology: Production, Consumption, and Exchange or 3 hrs

¹ or its graduate equivalent.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSO, 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**

**Email:** anthropology@ucf.edu

**Phone:** 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, 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)

- **ANT 2000** General Anthropology or 3 hrs
- **ANT 2410** Cultural Anthropology or 3 hrs

### Restricted Electives (15 hrs)

- **Select from the following. Substitutions require prior consent of the Anthropology Coordinator.**
  - **ANT 3154** Ancient Incas 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 3302** Sex, Gender and Culture 3 hrs
  - **ANT 3212** Ethnology of North American Indians 3 hrs
  - **ANT 3319** Anthropology of Diaspora or 3 hrs
  - **ANT 3398** Black/Seminole Relations or 3 hrs
  - **ANT 3541** Biobehavioral Anthropology 3 hrs
  - ³ **ANT 3610** Language and Culture or 3 hrs
  - **ANT 3701** Applied Anthropology or 3 hrs
  - **ANT 4266** Economic Anthropology: Production, Consumption, and Exchange 3 hrs
  - ³ **ANT 4303** Anthropology of Tourism 3 hrs
Minors

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
■ 24

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ At least six of the required hours must be regularly scheduled courses 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.

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
- EDC 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 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

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.
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 (15 hrs)
Select 4:
- ARH 2050  History of Western Art I or 3 hrs
- ARH 2051  History of Western Art II or 3 hrs
- ARH 4310  Italian Renaissance Art or 3 hrs
- ARH 4430  19th Century Art or 3 hrs
- ARH 4450  20th Century Art 3 hrs

Non-Western/Ancient Course Requirement 3 hrs
Select 1:
- ARH 3520  African Art or 3 hrs
- ARH 3670  20th Century Latin American Art or 3 hrs
- ARH 4130  Greek Art and Architecture or 3 hrs
- ARH 4150  Roman Art and Architecture or 3 hrs
- ARH 4540  Art of India or 3 hrs
- ARH 4653  Meso American Art 3 hrs

Restricted Electives (3 hrs)
Select 1:
- ARH 4200  Medieval Art or 3 hrs
- ARH 4350  Baroque Art or 3 hrs
- ARH 4800  Theory and Criticism of the Visual Arts or 3 hrs
- ARH 4871  Women in Art 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Asian Studies - Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- HMJ 3401  Asian Humanities 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

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.

Astronomy - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, 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 (19 hrs)
- AST 2002  Astronomy 3 hrs
- PHY 2048C  Physics for Engineers & Scientists I 4 hrs
- AST 4152  Planetary Geophysics 3 hrs
- AST 3211  Stellar Astrophysics 3 hrs
- AST 3402  Galaxies and Cosmology 3 hrs
- AST 4700  Experimental Methods in Astronomy 3 hrs

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-Professional Advisement or the Pre-Health Professions Advisement office. 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 bachelor's degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact 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)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2040 Chemistry Fundamentals I 3 hrs
- CHM 2041 Chemistry Fundamentals IIA 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track 6 hrs
Select 1: 3 hrs
- EMA 5584 Biomaterials or 3 hrs
- EML 5760 Biomedical Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5248C Ergonomics 3 hrs

Select 1: 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- ECH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Computer Science Track 6 hrs
Select 1: 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- COT 6417 Algorithms on Strings and Sequences 3 hrs

Select 1: 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

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
F. 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)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- or, depending on Chemistry Placement score 6 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

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.
Minors

Biomedical Sciences - Minor

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health & Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (23 hrs)
- BSC 2010C  Biology I  4 hrs
- MCB 3020C  General Microbiology  5 hrs
- PCB 3233L  Immunology Laboratory  1 hr
- PCB 3522  Molecular Biology I  3 hrs
- PCB 4524  Molecular Biology II  3 hrs
- BSC 3403C  Quantitative Biological Methods  4 hrs

Select 1:  3 hrs
- PCB 3233  Immunology or
- PCB 4280  Molecular Immunology  3 hrs

Restricted Electives (7 hrs)
■ At least two courses from the Restricted Elective category of the baccalaureate curriculum.

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 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 Building, Room: 255
http://www.cos.ucf.edu/chemistry

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 IIA  3 hrs
- CHM 2041  Chemistry Fundamentals IIB  3 hrs

- and
- 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
- 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

Total Semester Hours Required
■ 18

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  4 hrs
- FIN 2100  Personal Finance and Investments  3 hrs
- MAN 3025  Management of Organizations  4 hrs
- MAR 3023  Marketing  4 hrs

Select 1:
- ECO 2013  Principles of Macroeconomics  3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "S" (1.75) are not accepted.
■ At least 12 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.

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least twelve hours used in the minor must be earned at UCF within the College of Business.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Minors

Required Courses (15 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
<td>3</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
<td>3</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
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Select 1: 3 hrs

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<tbody>
<tr>
<td>PEO 3624</td>
<td>Coaching Basketball</td>
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</tr>
<tr>
<td>PEO 3644</td>
<td>Coaching Football</td>
<td>3</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
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Restricted Electives

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Foreign Language Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Hours Required

28

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 toward 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

- Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (15 hrs)

- Foundation Courses
  - Select from at least 4 subject areas.

Neuroscience 3 hrs

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PSB 3002</td>
<td>Physiological Psychology</td>
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<tr>
<td>PSB 4240C</td>
<td>Neuropsychology</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
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Philosophy 3 hrs

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<tr>
<td>PHI 3320</td>
<td>Philosophy of Mind</td>
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</tr>
<tr>
<td>PHI 3323</td>
<td>Minds and Machines: Philosophy of Cognitive Science</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3451</td>
<td>Philosophy of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4935</td>
<td>Topics in Philosophy of Mind</td>
<td>3</td>
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Psychology 3 hrs

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<tr>
<td>EXP 3040C</td>
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</tr>
<tr>
<td>EXP 3604C</td>
<td>Cognitive Psychology</td>
<td>4</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>Advanced Human Memory and Cognition</td>
<td>3</td>
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Computer Science and Information 3 hrs

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<tbody>
<tr>
<td>CAP 4453</td>
<td>Robot Vision</td>
<td>3</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3531</td>
<td>Information Theory</td>
<td>3</td>
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<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals</td>
<td>4</td>
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</table>

Language and Linguistics 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3010</td>
<td>Principles of Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>Language Development: 9 - 18 Years</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>Philosophy of Language</td>
<td>3</td>
</tr>
<tr>
<td>EXP 3640</td>
<td>Psychology of Language</td>
<td>3</td>
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</table>

Restricted Electives (6 hrs)

Select 2: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3550C</td>
<td>Primatology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586C</td>
<td>Human Origins</td>
<td>3</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>CAP 5015</td>
<td>Multimedia Compression on the Internet</td>
<td>3</td>
</tr>
<tr>
<td>CAP 5415</td>
<td>Computer Vision</td>
<td>3</td>
</tr>
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</table>
Minors

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/Self or 3 hrs
PHI 4500  Metaphysics or 3 hrs
PSY 4025  The Psychology of Art or 3 hrs
PSY 3213C  Research Methods in Psychology 5 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

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 & Public Affairs I, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csdundergraduate@ucf.edu
TBD
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)
- SPA 3471  Communication Disorders in Literature and Media 3 hrs
- SPA 3112  Basic Phonetics 3 hrs
- SPA 3112L  Basic Phonetics Lab 1 hr
- LIN 3716  Language Development 3 hrs
- LIN 3716L  Language Development Lab 2 hrs
- SPA 3101  Physiological Bases of Speech and Hearing 3 hrs
- SPA 4032  Audiology 3 hrs
- SPA 4400  Language Disorders Across the Life Span 3 hrs
- SPA 4476  Speech Disorders Across the Lifespan 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Community Arts - PAVE - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements
- None

Minor Requirements
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 Corporation 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)
- COP 3223  Introduction to Programming with C 3 hrs
- COP 3330  Object Oriented Programming 3 hrs
- COP 3502C  Computer Science I 3 hrs
- COP 3503C  Computer Science II 3 hrs
- CDA 3103  Computer Logic and Organization 3 hrs
Select 1: 3 hrs
COT 3100C Introduction to Discrete Structures or
MAD 2104 Foundations of Discrete Math  3 hrs

Restricted Electives
■ None

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.

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 can not 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.

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: 3 hrs
SYG 2000 Introduction to Sociology or
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 3530 Juvenile Delinquency  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

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
■ Grades less than “C-” (1.75) are not accepted.
■ 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.

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

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 2100C Modern Dance I  2 hrs
DAA 2200C Ballet I  2 hrs
DAA 3684 Dance Performance  1 hr

Restricted Electives (7 hrs)
DAA 2570C Jazz Dance I  2 hrs
DAA 2571C Jazz Dance II  2 hrs
DAA 2520C Tap Dance I  2 hrs
DAA 2521C Tap Dance II  2 hrs
Minors

DAA 3524C Tap Dance III 2 hrs
DAA 2201C Ballet II 2 hrs
DAA 3208C Ballet III 2 hrs
DAA 2101C Modern Dance II 2 hrs
DAA 3108C Modern Dance III 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

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

Digital Humanities - Minor
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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
HUM 3830 Introduction to Digital Humanities 3 hrs
DIG 3171 Tools for Digital Humanities 3 hrs

Restricted Electives (12 hrs)
Technology and Applied Skills 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
ENG 3817 Digital Archives 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 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 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs

Restricted Electives (6 hrs)
■ Select two courses:
■ Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
DIG 3003 Adventures in Emerging Media 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3043 Evolution of Video Games 3 hrs
DIG 3134 Media Software Design 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3563 Information Management and Entrepreneurship 3 hrs
DIG 3716C Internet Interaction 3 hrs
DIG 3811 User-Centered Design 3 hrs
DIG 4630C Media Business Practices 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
FIL 4040 Animation Film History for Non Film Majors 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,
Howard Phillips Hall, Room: 302
http://politicalscience.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.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses
- Most courses for this minor will have prerequisites 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 3242 Modern Europe and the First World War 3 hrs
  - EUH 3281 Second World War and Rebirth of Europe 3 hrs
  - EUH 4574 History of Russia: 1801-1917 3 hrs
  - EUH 4576 History of Russia in the 20th Century 3 hrs
  - EUH 4620 European Great Powers: 1815-1914 3 hrs
  - EUH 4663 History of Communism in Europe 3 hrs
  - INR 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.
- Students majoring in history, international and global studies, or political science can take no more than 3 hrs of Restricted Electives in their major department.

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 can not 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)
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Required: Complete one of the following:
- SYG 3530 Social Power and Inequality 3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYG 3410 Urban Society 3 hrs
  - SYG 3700 Race and Ethnicity 3 hrs
  - SYG 3800 Sex and Gender in Society 3 hrs
  - SYG 4100 Family Trends 3 hrs
  - SYG 4200 Religion in Society 3 hrs
  - SYG 4810 Women in Contemporary Society 3 hrs
  - SYG 4813 Women, Law and Social Change 3 hrs
  - SYG 4454 Global Inequality and Society 3 hrs
  - SYG 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.
- Once the Early Childhood Development and Education Minor has been declared and approved. Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
- NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses
- None

Required Courses (15 hrs)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose two: 6 hrs
  - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
  - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood Education 3 hrs
  - EEC 4402 Cultural and Family Systems 3 hrs
  - EEC 4414 Parent-Child Relations 3 hrs
  - EEC 4744 Child Life: Psychosocial Care of Children in Health Settings 3 hrs

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 nine 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
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)

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
Minors

Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
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.

Education - Minor
Required Courses
- EDC 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)
- SSE 4936 Programs in Teaching Social Science (3 hrs)
- MAE 4634 Programs in Teaching of Mathematics (3 hrs)
- SCE 4361 Programs in Teaching Science (3 hrs)
- LAE 4464 Survey of Adolescent Literature (3 hrs)
- FED 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
School of Public Administration,
Health & 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.

Emergency Management and Homeland Security - Minor
Required Courses
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)

Restricted Electives
- Select one of the following (3 hrs)
  - MAE 4634 Programs in Teaching of Mathematics
  - SSE 4936 Programs in Teaching Social Science
  - LAE 4464 Survey of Adolescent Literature
  - SCE 4361 Programs in Teaching Science
  - PET 4710 Methods for Physical Activity for Children and Adolescents

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all Gordon Rule classes is required.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
Required Courses
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)

Restricted Electives
- Select one of the following (3 hrs)
  - MAE 4634 Programs in Teaching of Mathematics
  - SSE 4936 Programs in Teaching Social Science
  - LAE 4464 Survey of Adolescent Literature
  - SCE 4361 Programs in Teaching Science
  - PET 4710 Methods for Physical Activity for Children and Adolescents

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all Gordon Rule classes is required.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

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.

Emergency Management and Homeland Security - Minor
Required Courses
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)

Restricted Electives
- Select one of the following (3 hrs)
  - MAE 4634 Programs in Teaching of Mathematics
  - SSE 4936 Programs in Teaching Social Science
  - LAE 4464 Survey of Adolescent Literature
  - SCE 4361 Programs in Teaching Science
  - PET 4710 Methods for Physical Activity for Children and Adolescents

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all Gordon Rule classes is required.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

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.

Emergency Management and Homeland Security - Minor
Required Courses
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESL (3 hrs)

Restricted Electives
- Select one of the following (3 hrs)
  - MAE 4634 Programs in Teaching of Mathematics
  - SSE 4936 Programs in Teaching Social Science
  - LAE 4464 Survey of Adolescent Literature
  - SCE 4361 Programs in Teaching Science
  - PET 4710 Methods for Physical Activity for Children and Adolescents

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all Gordon Rule classes is required.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.
Minors

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
Select 1:
- DSC 4012 Terrorism or 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

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
- EGN 4824 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs
- Select 1:
  - GEB 4152 Technology Innovation & Entrepreneurship or 3 hrs
  - IDS 4949 Cooperative Education 0 hrs

Restricted Electives (3 hrs)
Select any two elective courses from the following courses:
- Energy Systems Design
  - EEL 4216 Fundamentals of Electric Power Systems 3 hrs
  - EML 4411 Mechanical Power Systems 3 hrs
  - EML 4454 Turbines for Sustainable Power or 3 hrs
  - EML 4600 HVAC Systems Engineering or 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs

Water, Environment and Waste Management
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control or 3 hrs
- ENV 4341 Solid & Hazardous Waste Management or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Business and Public Policy
- ECP 3302 Economics and the Environment or 3 hrs
- ECP 4303 Environmental and Natural Resource Economies or 3 hrs
- RAE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- 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
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu
Dr. Timothy Kotnour
Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 3303 Engineering Economic Analysis 2 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4624 Engineering Administration 3 hrs
- EIN 491C Engineering Leadership Seminar I 2 hrs
- EIN 492C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs
Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must have a Grade of “C” (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

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 three courses (9 hrs)
- 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 4801 Journal Writing 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)
- ENG 3014 Theories and Techniques of Literature Study

Restricted Electives (18 hrs)
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.
- 1 ENG 3014 Theories and Techniques of Literature Study

Foreign Language Requirements
- None

Total Semester Hours Required
- 21
Minors

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.

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)
ENL 4215 Technical Publication and Project Management 3 hrs
ENL 4218 The Visual in Technical Documentation 3 hrs
ENL 4293 Documentation and the Collaborative Process 3 hrs
ENL 4294 Documentation and Client-Based Collaboration 3 hrs
ENL 4280 Technical Writing Style 3 hrs
ENL 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/englised/
Dr. Jeff 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)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
RED 4043 Students in Schools 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs

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 these courses
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cei.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, 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

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 4541C 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.
- 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 (18 hrs)
  BOT 3152C Local Flora 3 hrs
  BOT 3802 Ethnobotany 3 hrs
  BOT 4313C Plant Kingdom 5 hrs
  BOT 4713C Plant Taxonomy 5 hrs
  BSC 4312C Advanced Marine Biology 4 hrs
  OCE 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 3001 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
PUP 3203 Environmental Politics 3 hrs
PUP 4503 Government and Science 3 hrs

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 (18 hrs)
  BOT 3152C Local Flora 3 hrs
  BOT 3802 Ethnobotany 3 hrs
  BOT 4313C Plant Kingdom 5 hrs
  BOT 4713C Plant Taxonomy 5 hrs
  BSC 4312C Advanced Marine Biology 4 hrs
  OCE 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 3001 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
PUP 3203 Environmental Politics 3 hrs
PUP 4503 Government and Science 3 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 interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
Required Courses (6 hrs)
- CPO 4101 Politics of the European Union 3 hrs
- LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives (15 hrs)
- Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
Select from the following courses: 3 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- FIL 3620 Italian Film or 3 hrs
- FIL 3822 French Film or 3 hrs
- FIL 3823 German Film or 3 hrs
- FIL 3824 Italian Neo-Realist Cinema or 3 hrs
- FRE 4500 French Civilization and Culture or 3 hrs
- FRT 3652 French Contemporary Pop Culture or 3 hrs
- FRW 3570 Short Stories of 19th, 19th and 20th Centuries or 3 hrs
- FRW 4281 20th Century French Novels or 3 hrs
- FRW 4324 20th Century French Drama or 3 hrs
- FRW 4552 Nineteenth Century French Literature or 3 hrs
- GER 3102 Germany - Past to Present or 3 hrs
- GER 4520 Modern Germany or 3 hrs
- GEW 3101 Survey of German Literature II or 3 hrs
- GEW 3370 Short Story or 3 hrs
- GEW 3480 German Post-War Literature or 3 hrs
- GEW 4482 German Children's Literature or 3 hrs
- GEW 4531 The Age of Goethe and Schiller or 3 hrs
- ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or 3 hrs
- ITW 3101 Survey of Italian Literature II or 3 hrs
- JST 3751 Literature of the Holocaust or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- SPW 3101 Survey of Spanish Literature II or 3 hrs
- SPW 3370 Spanish Short Story or 3 hrs
- SPW 4272 20th Century Spanish Novel or 3 hrs
- SPW 4322 Contemporary Iberian Theatre or 3 hrs
- SPW 4450 Spanish Literary Theory or 3 hrs
- SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
- SPW 4720 The Generation of 1898 or 3 hrs

History:
Select from the following courses: 6 hrs
- EUH 3235 Romanticism and Realism or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- EUH 3281 Second World War and Rebirth of Europe or 3 hrs
- EUH 3411 Ancient Rome or 3 hrs
- EUH 3431 History of Modern Italy or 3 hrs
- EUH 3451 History of Modern France or 3 hrs
- EUH 4284 Fascism and Nazism in the Intervar European 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: 1803-1917 or 3 hrs
- EUH 4576 History of Russia in the 20th Century or 3 hrs
- EUH 4582 20th Century Russian Diplomatic History or 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- EUH 4663 History of Communism in Europe or 3 hrs
- GER 4510 Life and Culture in Nazi Germany or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs

Political Science or Economics:
Select from the following courses: 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4303 History of Economic Thought or 3 hrs
- INR 4035 International Political Economy or 3 hrs

Other areas:
- May be taken from any of the above electives: Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select from the following courses: 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs
- PHH 3041 Russian Philosophy or 3 hrs
- PHH 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

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required: 21

Other Requirements:
- No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Blvd. Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: Hospitality@ucf.edu
Phone: 407-903-8000

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). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements
- 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)
- HFT 2750 The Event Industry 3 hrs
- HFT 3373 Event Design, Production & Technology 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 2750 is the prerequisite course for all upper level Event Management courses.

Restricted Electives (6 hrs)
Select 2:
- HFT 3519 Event Services or 3 hrs
- HFT 3523 Event Sales or 3 hrs
- HFT 3741 Meeting Management or 3 hrs
- HFT 3798 Fairs and Festivals or 3 hrs
- HFT 4795 Entertainment Arts and Events or 3 hrs
- HFT 4796 International Events or 3 hrs
- 1 Prerequisite is HFT 3519.
### Exceptional Student Education - Minor

**College of Education and Human Performance**  
**Department of Child, Family and Community Sciences, Education Building, Room: 209**  
[http://www.education.ucf.edu](http://www.education.ucf.edu)

Dr. Maria Reyes-MacPherson, Program Coordinator, maria.reyes-macpherson@ucf.edu, 407-823-4164

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 nor 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
- None

#### 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4601</td>
<td>Introduction to Behavior Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4763</td>
<td>Technology for Classroom Teachers of Students with Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3221</td>
<td>Assessment of Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4066</td>
<td>Curriculum, Theory and Instructional Strategies for Students with Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

Students must choose Early Childhood, Elementary or Secondary Restricted Electives.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EEX 4070</td>
<td>Teaching Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

### Film - Cinema Studies - Minor

**College of Arts and Humanities**  
**School of Visual Arts and Design, Nicholson School of Communication, Room: 121**  

S. Schlow, 407-823-2845  
Phone: 407-823-4285

#### Minor Admission Requirements
- Completion of a Minor Declaration form

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIL 2030</td>
<td>History of Motion Pictures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2423</td>
<td>Foundations of Production</td>
<td>3 hrs</td>
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</table>

#### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIL 1007</td>
<td>Foundations of Story or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

- Choose Two

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<tr>
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<th>Hours</th>
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<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3051</td>
<td>Avant-Garde Cinema</td>
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<td>FIL 3820</td>
<td>Italian Film</td>
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<td>FIL 3845</td>
<td>World Cinema Traditions</td>
<td>3 hrs</td>
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<td>FIL 3841</td>
<td>French New Wave Cinema</td>
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<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3822</td>
<td>French Film</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3823</td>
<td>German Film</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3831</td>
<td>Black Cinema</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3826</td>
<td>American Cinema</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3871</td>
<td>The American Film Artist</td>
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<tr>
<td>FIL 4647</td>
<td>Film Production Management</td>
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<tr>
<td>FIL 3847</td>
<td>Latin American Cinema</td>
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<tr>
<td>FIL 3383C</td>
<td>Film Documentary</td>
<td>3 hrs</td>
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</tbody>
</table>

#### 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 must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.
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 (10 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 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
- 19

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 minimum 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
- 2.5 GPA

Minor Requirements
- No grades below "C" (2.0) and no "S" grades will be accepted.
- 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.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: fifacult@ucf.edu
Dr. Paul Giordano, 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
Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu

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 China in 19th and 20th Centuries 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 Europe 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

Other Requirements
- No credit 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.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit 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.

Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu

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
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- LAH 3200 Modern Latin America 3 hrs

Other Requirements
- No credit 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.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit 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.

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health & Public Affairs II, Room: 267
Dr. 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

Other Requirements
- No credit 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

Restricted Electives (9 hrs)

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<td>HSC 4558</td>
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<td>HSC 4501</td>
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Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- 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/

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- None

Restricted Upper Division Electives 15 hrs

- None

History Elective 3 hrs

- Any course taught within the History Department

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

Hospitality Management - Minor

Rosen College of Hospitality Management

Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

Email: hospitality@mail.ucf.edu

Dr. 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 (18 hrs)

- None

Take all of the following:

- HFT 1000 Introduction to the Hospitality and Tourism Industry and 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
Minors

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 (12 hrs)

- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)

- Select from the following courses:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3022 Health Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 3332 Communication, Technology, and Change 3 hrs

Select 2: 6 hrs

- HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting or 3 hrs
- HFT 2500 Hospitality and Tourism Marketing or 3 hrs
- HFT 2220 Hospitality Human Resources Management or 3 hrs
- HFT 3444 Hospitality Information Systems or 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
- HFT 4464 Hospitality Industry Finance or 3 hrs
- HFT 4286 Hospitality Communications 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- 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.

Humanities - Minor

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Travis Rodgers, travis.rogers@ucf.edu, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes and methods. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)

- Humanities Foundations 6 hrs

Select 2: 6 hrs

- Select 2:
  - HUM 3525 Contemporary Humanities or 3 hrs
  - HUM 3525 Modern Humanities or 3 hrs
  - HUM 3431 Ancient Humanities or 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs

Humanistic/Religious Traditions 12 hrs

Select 2: 6 hrs

- Select 2:
  - ANT 3245 Native American Religions or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - REL 3333 Hinduism or 3 hrs
  - REL 3363 Islam or 3 hrs
  - REL 3403 Christianity or 3 hrs
  - REL 3320 Moses, Jesus and Muhammad or 3 hrs
  - JST 3401 Jewish People in Antiquity or 3 hrs
  - PHH 3701 Native American Philosophy 3 hrs

Internship or Independent Study credit can be used toward this minor with prior approval.
Minors

Select 2: 6 hrs
- HUM 4330 Performance Theory or 3 hrs
- PFM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or
- PHM 3123 Feminist Theories or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from the above list or from the following:
  - HUM 3320 Contemporary Multicultural Studies 3 hrs
  - HUM 4301 The Classical Ideal 3 hrs
  - PHI 4804 Critical Theory 3 hrs
  - PHI 3800 Aesthetics 3 hrs
  - PHI 3700 Philosophy of Religion 3 hrs
  - CLT 3370 Classical Mythology 3 hrs
  - CLT 3378 Comparative Mythology 3 hrs

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 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
Science, Harris Corporation Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, Marklk@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)
- Select one of the following courses:
  - COP 2500C Concepts in Computer Science 4 hrs
  - COP 3223 Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)
- Choose 5 courses from the following: CGS 3175 or courses required for the IT major.

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
Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (3 hrs)
- Select 1:
  - A high-level programming language class (like the following or its equivalent) is required for the minor.
  - COP 3223 Introduction to Programming with C or 3 hrs
  - EGN 3211 Engineering Analysis and Computation 3 hrs

Required Courses (6 hrs)
- EGN 3321 Introduction to Robotics 3 hrs
- EEL 4660 Robotic Systems 3 hrs

Restricted Electives (12 hrs)
- Select 4:

Note: Courses with equivalent content cannot both be counted toward the electives.
- COP 4053 AI for Game Programming or 3 hrs
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 5825 Pattern Recognition or 3 hrs
- EEE 5513 Digital Signal Processing Applications or 3 hrs
- EEL 4872 Engineering Applications of Intelligent Systems or 3 hrs
- EEL 4900C Introduction to Robotics 3 hrs
- EEL 5625 Applied Control Systems or 3 hrs
- EEL 4818H Honors Current Topics in Machine Learning 3 hrs
- EEL 5630 Digital Control Systems or 3 hrs
- EEL 5620 Image Processing or 3 hrs
- EEL 5625 Pattern Recognition or 3 hrs
- EEL 5313 Intermediate System Dynamics and Controls or 3 hrs
- EML 3217 Engineering Mechanics - Dynamics or 3 hrs
- EML 4225 Introduction to Vibrations and Controls or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4264 Vehicle Dynamics or 3 hrs
- EML 4804C Digital Control in Mechatronics or 3 hrs
- EML 5311 System Control or 3 hrs
- EML 5290 Introduction to MEMS and Micromachining 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- 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.

EML 5290 Introduction to MEMS and Micromachining 3 hrs
- Not open to Information Technology majors.
Minors

International and Global Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politics.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

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)
- IDS 4315 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 3 hrs

Restricted Electives (15 hrs)
- Substitutions require prior approval by the program advisor.

A. Political Science:
- Select courses from this grouping: 6 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 4074 Immigration Policy or 3 hrs
  - INR 4075 Human Rights Policy or 3 hrs
  - INR 4076 Global Drug Policy or 3 hrs
  - INR 4350 Global Environmental Politics or 3 hrs
  - INR 4502 International Organizations or 3 hrs
  - INR 4603 International Relations Theory or 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs

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
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:
- Select one course from this grouping: 3 hrs
  - CPO 3103 Comparative Politics or 3 hrs
  - CPO 4062 Comparative Judicial Process or 3 hrs
  - CPO 4074 Political Economy or 3 hrs
  - CPO 4754 Comparative Political Institutions or 3 hrs
  - CPO 4710 Women in Comparative Politics or 3 hrs
  - CPO 4784 Political and Economic Inequality in Comparative Perspective or
  - CPO 4445 Comparative Political Parties or 3 hrs
  - DSC 4012 Terrorism or 3 hrs
  - EUH 3651 War and Society or 3 hrs
  - MMC 4300 International Media or 3 hrs
  - SYP 4454 Global Inequality and Society or 3 hrs
  - THE 3312 Theatre History and Dramatic Literature II or
- 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.

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 for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- FIN 4604 International Financial Management 3 hrs
- GEB 3955 Study Abroad 3 hrs
- MAR 4156 International Marketing 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 3955 Study Abroad 3 hrs
  - GEB 3955 Study Abroad 3 hrs
  - GEB 3955 Study Abroad 3 hrs
  - GEO 4371 World Political Geography 3 hrs
  - INR 4035 International Political Economy 3 hrs
Minors

Minor Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) 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

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 a first-hand knowledge of the many different countries, cultures, partner foreign institutions and experiences abroad. Minimally, 6 hours must meet requirements of the student’s major program.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:

  Language Skill Acquisition 6 hrs
  - It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in where English is widely spoken.
  - 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
    - ANR 4322 People and Cultures of Latin America 3 hrs
    - ANT 4102 American Foreign Policy 3 hrs
    - ASH 4404 China in 19th and 20th Centuries 3 hrs
    - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
    - COM 4461 Intercultural Communication 3 hrs
    - CPO 3034 Politics of Developing Areas 3 hrs
    - CPO 3103 Comparative Politics 3 hrs
    - CPO 3104 Politics of Western Europe 3 hrs
    - CPO 4101 Politics of the European Union 3 hrs
    - CPO 4303 Comparative Latin American Politics 3 hrs
    - CPO 4643 Government and Politics of Russia 3 hrs
    - GEO 3471 World Political Geography 3 hrs
    - REL 3333 Hinduism 3 hrs
    - REL 3334 Islam 3 hrs
    - IDS 3333 World Comparative Studies 3 hrs
    - INR 4035 International Political Economy 3 hrs
    - INR 4102 American Foreign Policy 3 hrs
    - INR 4224 Contemporary International Politics of Asia 3 hrs
    - INR 4243 International Politics of Latin America 3 hrs
    - INR 4401 International Law 3 hrs

  Cultural Coursework 3 hrs
  - It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture, international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

  Study Abroad Experience 9 hrs
  - The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.

  IE 4999 Study Abroad Experience 9 hrs

Any 3000/4000 level foreign language course.

Foreign Language Requirements
- Optional

Total Semester Hours Required
- 19
Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

**Restricted Electives**
- None

**Foreign Language Requirements**
- Italian

**Total Semester Hours Required**
- 18

**Other Requirements**
- 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.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Required Courses**
- None

**Restricted Electives (15 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

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of “C” (2.0) or better is required in all courses used to satisfy minor.
- At least 15 hours used in the minor must be earned at UCF within the 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.

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### Journalism Studies - Minor

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

[http://communication.cos.ucf.edu](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

**Restricted Electives (15 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

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

### Judaic Studies - Minor

**College of Arts and Humanities**

**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**

[http://www.judaicstudies.cah.ucf.edu](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
Latin American Area Studies - Minor

College of Arts and Humanities
Program in Latin American Studies,
Colbourn Hall, Room: 122

http://las.cah.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
- Admission by interview with the Program Director.

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)
- Choose 6 Restricted Electives courses.

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.
Minors

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 Building 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
- 4 hrs
  
  LDR 2001 Foundations of Leadership 2 hrs
  LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements
- 15 hrs
  
  Choose one course from each of the five areas:
  
  Communication
  - 3 hrs
    COM 3011C Communication and Human Relations or 3 hrs
    COM 3120 Organizational Communication or 3 hrs
    COM 4461 Intercultural Communication or 3 hrs
    COM 4462 Conflict Management or 3 hrs
    ENC 3250 Professional Writing or 3 hrs
    SPC 3445 Leadership Through Oral Communication 3 hrs

  Collaboration
  - 3 hrs
    INP 3004 Industrial/Organizational Psychology or 3 hrs
    INP 4313 Organizational Psychology or 3 hrs
    MAN 4240 Organizations: Theory and Behavior or 3 hrs
    MAN 3025 Management of Organizations or 4 hrs
    SPC 4426 Group Dynamics 3 hrs

  Social Relations and Culture
  - 3 hrs
    ANT 3541 Biobehavioral Anthropology or 3 hrs
    CLP 3143 Abnormal Psychology or 3 hrs
    COM 4461 Intercultural Communication or 3 hrs
    EXP 3304C Motivation or 3 hrs
    SOP 3723 Cross Cultural Psychology or 3 hrs
    SOP 3742 Psychology of Women or 3 hrs
    SOP 3784 Psychology of Diversity 3 hrs

  Politics
  - 3 hrs
    PAD 3003 Public Administration in American Society or 3 hrs
    PAD 4104 Administrative Theory or 3 hrs
    PAD 4144 Nonprofit Organizations or 3 hrs
    PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs

  Ethics
  - 3 hrs
    BUL 3130 Legal and Ethical Environment of Business or 4 hrs
    EDF 3601 Professional Ethics in Education or 3 hrs
    PAD 3040 Ethics and Values in Public Administration or 3 hrs
    PHI 2108 Critical Thinking or 3 hrs
    PHI 3638 Ethical Issues in the 21st Century or 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 & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)

- 3 hrs
  
  POS 3413 The American Presidency or 3 hrs
  POS 4206 Political Psychology or 3 hrs
  PUP 3325 Women and Political Behavior or 3 hrs
  SYO 4300 Political Sociology 3 hrs

Ethics
- 3 hrs
  
  BUL 3130 Legal and Ethical Environment of Business or 4 hrs
  EDF 3601 Professional Ethics in Education or 3 hrs
  PAD 3040 Ethics and Values in Public Administration or 3 hrs
  PHI 2108 Critical Thinking or 3 hrs
  PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  PHI 3640 Environmental Ethics 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
Minors

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
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

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 3.0 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)
- JOU 2100C News Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 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
- 19

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 school permission.

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 (4 hrs)
- MAR 3023 Marketing 4 hrs

Restricted Electives (15 hrs)
Select four or five:
- MAR 3203 Supply Chain and Operations Management 4 hrs
- MAR 3223 Integrated Marketing Communication 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3403 Sales Force Management 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- 1 MAR 3613 Marketing Analysis and Research 3 hrs
- 1 Requires prerequisites in addition to MAR 3023

Restricted Non-Marketing Electives (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.
- ADV 3008 Principles of Advertising 3 hrs
- ANT 3610 Language and Culture 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs
- EXP 3404C Basic Learning Processes 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- PHI 3803 Philosophy and Creativity 3 hrs
- PPE 3003 Personality Theory and Research 3 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- SOP 304C Social Psychology 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- SYA 4300C Research Methods 4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) 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 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.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mcain@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.
Mathematical Biology - Minor

College of Sciences

Department of Mathematics

Mathematical Sciences Building, 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.

At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

MAC 2311C Calculus with Analytic Geometry I
4 hrs

Required Courses

MAC 2312 Calculus with Analytic Geometry II
4 hrs

Required Courses

BSC 2011C Biology II
4 hrs

Required Courses

MAC 2313 Calculus with Analytic Geometry III
4 hrs

Required Courses

MAP 2302 Ordinary Differential Equations I
3 hrs

Required Courses

MAS 2105 Matrix and Linear Algebra
4 hrs

Required Courses

MAP 4484 Mathematical Biology I
3 hrs

Required Courses

MAP 4494 Mathematical Biology II
3 hrs

Restricted Electives

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 4683 Evolutionary Biology
4 hrs

Foreign Language Requirements

None

Total Semester Hours Required

18
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Lower division courses do not substitute for Upper Division courses.

Mathematics - Minor

College of Sciences

Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. 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)
    - MAD XXXX (any 3000, 4000, or 5000 level course)
    - MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
    - MTG XXXX (any 3000, 4000, or 5000 level course)
    - Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

You may select either course if desired, but not both.
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.
- MAA 4226 Advanced Calculus I and 4 hrs
  - MAA 4227 Advanced Calculus II 3 hrs
  - or
  - MTG XXXX (any 3000, 4000, or 5000 level course)

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.

Mathematics Education - Minor

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 Andreason, 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
    - 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
    - MAE 4360 Mathematics Instructional Analysis 4 hrs
    - MAE 4634 Programs in Teaching of Mathematics 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor

College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, 407-823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.
Minors

Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role 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 and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.

Courses used to satisfy the Restricted Electives of this minor can not 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.

ANT 2000 General Anthropology 3 hrs

Required Courses (12 hrs)
- Complete all of the following:
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4408 Culture, Disease, and Healing 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs

Restricted Electives
- 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

Required Courses (6 hrs)
- SYD 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 (12 hrs)
- Select from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3408 Animals and Health 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4402 Sociology of Health and Illness Behavior 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - SYP 4401 Social Determinants of Health 3 hrs

May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

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.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://www.english.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1 ENL 4311 Chaucer 3 hrs
  - 1 ENL 4341 Milton and His Age 3 hrs
  - 1 ENL 4333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:

Department of Art
- ARH 4200 Medieval Art 3 hrs
- ARH 4310 Italian Renaissance Art 3 hrs

Department of Classics
- CLA 3120 Latin for Classics 3 hrs
- CLA 3121 Prose and Poetry in Classical Greek 3 hrs
Minors

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

Department of Modern Languages
FRW 3100 Survey of French Literature I 3 hrs
ITW 3100 Survey of Italian Literature I 3 hrs
LAT 1120C Elementary Latin Language and Civilization I 4 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
- 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 College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/
Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
None

Minor Requirements
None

Prerequisite Courses
None

Required Courses (9 hrs)
CPO 3403 Politics of the Middle East 3 hrs
REL 3363 Islam 3 hrs
ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (3 hrs)
Select one of the following
- AMH 3541 U.S. Military History To 1900 3 hrs
- AMH 3547 U.S. Military History Since 1900 3 hrs

Other Requirements
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Mario Johnson
Phone: 407-823-1872

Minor Admission Requirements
- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

Minor Requirements
- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

Prerequisite Courses
- MSL 1001C Foundations of Officership 2 hrs
- MSL 1002C Basic Leadership 2 hrs
- MSL 2101C Individual Leadership Studies 2 hrs
- MSL 2102C Leadership and Teamwork 2 hrs

Required Courses (16 hrs)
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs

Restricted Electives (3 hrs)
Select one of the following
- AMH 3541 U.S. Military History To 1900 3 hrs
- AMH 3547 U.S. Military History Since 1900 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.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120, 1121).
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (10 hrs)
- MUT 1004 Fundamentals of Music I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- MUL 2016 Evolution of Jazz or 3 hrs
- MUL 2720 Music of the World or 3 hrs
- MUH 2017 Survey of Rock Music or 3 hrs
- MUH 2019 American Popular Music, 1840s-present 3 hrs

Restricted Electives (9 hrs)
- 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

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.
- Grades below "C" (2.0) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration,
Health & 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.

Nonprofit Management - Minor Requirements
- None
- A minimum grade of "C" (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses (9 hrs)
- 1 PAD 3930 Nonprofit Leadership Seminar 1 hr
- 2 PAD 4948 Nonprofit Management Internship 3 hrs
- 3 PAD 4144 Nonprofit Organizations 3 hrs

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 (9 hrs)
- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
- Choose at least one course from each of the following three groups

Select 1: 3 hrs
- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
  1 ACG 2021 Principles of Financial Accounting or 3 hrs
  2 ACG 2071 Principles of Managerial Accounting or 3 hrs
  3 MAN 3025 Management of Organizations or 4 hrs
  4 PAD 401 Nonprofit Project Management or 3 hrs
  5 PAD 4120 Human Resource Management or 3 hrs

Select 2: 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
  1 MAN 3301 Management of Human Resources or 3 hrs
  2 MAN 4301 Human Resources Recruitment and Selection or 3 hrs
  3 PAD 4151 Program Evaluation for Public and Nonprofit Organizations or 3 hrs

Select 3: 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
  1 COM 3110 Business and Professional Communication or 3 hrs
  2 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  3 MAR 3202 Marketing or 4 hrs
  4 MAR 3641 Marketing Intelligence or 3 hrs
  5 MAR 4803 Marketing Management or 3 hrs
  6 PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  7 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
  8 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:
  1 PAD 4148 Volunteer Management 3 hrs
  2 PAD 4153 Planning and Improvement for Public Organizations 3 hrs
  3 PAD 4131 Public Sector Project Management 3 hrs

### North American Indian Studies - Minor

#### College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309


**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
  - **AMH 2010** U.S. History: 1492-1877
  - **AMH 2020** U.S. History: 1877-Present

#### Required Courses (12 hrs)
- **ANT 3245** Native American Religions
- **ANT 3312** Ethnology of North American Indians
- **ANT 4153** North American Archaeology
- **AMH 3580** North American Indians

#### Restricted Electives (6 hrs)
- Complete two of the following courses:
  - **ANT 3152** Indians of the Southwest
  - **ANT 3158** Florida Archaeology
  - **ANT 3311** Indians of the Southeastern United States
  - **ANT 3398** Black Seminole Relations
  - **AMH 2010** U.S. History: 1492-1877
  - **AMH 2020** U.S. History: 1877-Present
  - **AMH 3441** History of the Frontier: Eastern America

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- Enrollment in Nonprofit Leadership Alliance Program through Nonprofit Leadership Alliance program office.
- Attendance at one national Alliance Management/Leadership Institute (additional fees).
- Membership in UCF Nonprofit Management Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

#### Performing Arts Administration - Minor

#### College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203


**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 2010** Enjoyment of Music
  - **MUL 2014** Introduction to Music History and Literature
- Take one of the following courses: 3 hrs
  - **THE 2000** Theatre Survey
  - **THE 2020** Survey of Theatre for Majors

#### Minor Requirements (31 hrs)
- None

#### Prerequisite Courses
- None

#### Required Courses (15 hrs)
- **MAN 3025** Management of Organizations
- **MAR 3023** Marketing
- **ECO 2023** Principles of Microeconomics
- **ACG 2071** Principles of Managerial Accounting

#### Restricted Electives (10 hrs)
- Select three courses, one from each of the three different areas.
  - **FIN 2100** Personal Finance and Investments
  - **ECO 2023** Principles of Microeconomics
  - **ACG 2071** Principles of Managerial Accounting

#### Finance & Budgeting
- **MUS 4320** Music Business and Industry
- **MUL 2010** Enjoyment of Music
- **THE 4941** Internship

#### Internship
- **THE 4941** Internship

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 31
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  Select 1: 3 hrs
  - PHI 2011 Philosophical Reasoning or 3 hrs
  - PHI 2101 Formal Logic I or 3 hrs
  - PHI 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: 3 hrs
  - PHI 3100 Ancient Philosophy or 3 hrs
  - PHI 3200 Medieval Philosophy or 3 hrs
  - PHI 3460 Modern Western Philosophy or 3 hrs
  - PHI 3600 Contemporary Philosophy or 3 hrs

  Values and Society
  Select 1: 3 hrs
  - PHI 3670 Ethical Theory or 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
  - PHM 3401 Philosophy of Law or 3 hrs
  - PHI 3800 Aesthetics or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHI 3625 Virtual Ethics or 3 hrs
  - PHI 4633 Ethics and Biological Science or 3 hrs
  - PHI 3100 Freedom and Justice or 3 hrs
  - PHI 3640 Environmental Ethics or 3 hrs
  - PHM 4531 Environmental Philosophy or 3 hrs
  - PHI 3701 Native American Philosophy or 3 hrs
  - PHI 3805 Contemporary Aesthetics or 3 hrs

Being and Knowing
Select 1: 3 hrs
- PHI 4500 Metaphysics or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4420 Philosophy of Social Science or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHP 4782 Phenomenology or 3 hrs
- PHI 4221 Philosophy of Language or 3 hrs

Topics in Philosophy
Select 1: 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHP 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHI 3750 The Problem of Evil or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- PHP 4933 Key Concepts in Philosophy or 3 hrs
- PHP 4931 Key Figures in Philosophy or 3 hrs

Restricted Electives (6 hrs)
- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 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 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 approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Philosophy, Religion and Popular Culture - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 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 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 approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Theoretical Foundations 6 hrs
Take all of the following: 6 hrs
- PHI 3684 Ways of Living and 3 hrs
- PHI 4341 Ways of Knowing 3 hrs

Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.
Minors

Philosophy 3 hrs
Select 1: 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 3670 Ethical Theory or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHP 3766 Existentialism or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHI 4300 Theories of Knowledge 3 hrs

Religion 3 hrs
Select 1: 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
REL 3403 Christianity or 3 hrs
REL 3320 Moses, Jesus and Muhammad or 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3363 Islam or 3 hrs
PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies 9 hrs
Select at least one course from Contemporary Media
Select at least one course from Contemporary Forms of Life

Contemporary Media 3 hrs
Select 1: 3 hrs
HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
POS 3235 Mass Media and Politics or 3 hrs
POS 3258 Politics in Film or 3 hrs
REL 3115 Religion and Philosophy Through Film or 3 hrs
REL 3363 Islam or 3 hrs
SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life 3 hrs
Select 1: 3 hrs
ANT 3302 Sex, Gender and Culture or 3 hrs
HUM 3252 Contemporary Humanities or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3023 Philosophy, Religion, and the Environment or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
REL 3130 Religion in America 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 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.

Physics - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, 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.

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/degree policy in Political Science programs and minors:
1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
   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.
Minors

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 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,
Howard Phillips Hall, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Dr. Roger Handberg
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 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 3640 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 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs
Minors

E. Select one additional Psychology elective 3 hrs

- The following courses will NOT fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 3 hrs
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3905 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 3 hrs
  - PSY 4912 Directed Independent Research 3 hrs
  - 1PSY 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 & 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 3753 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in each course 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.

Real Estate - Minor

College of Business Minor

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 (13 hrs)

- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Restricted Electives (6 hrs)

Select 2:

- 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

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- 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.

Recreation - 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

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.
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
- (9 hrs)
  - DAE 3370 Dance and Rhythms 3 hrs
  - PET 3771 Strength and Conditioning Concepts 3 hrs
  - PET 4050C Motor Development and Learning 3 hrs
  - PET 4312C Kinesiology/Biomechanics 3 hrs
  - SPM 3130 Aquatic Management 3 hrs
  - PET 4002 Outdoor and Leisure Activities 3 hrs
  - SPM 3204 Sports and Ethics 3 hrs
  - SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
  - PET 3361 Nutrition and Metabolism in Sport and Exercise 3 hrs

Restricted Electives
- (9 hrs)
  - Select 3: 9 hrs
    - DAE 3370 Dance and Rhythms 3 hrs
    - PET 3771 Strength and Conditioning Concepts 3 hrs
    - PET 4050C Motor Development and Learning 3 hrs
    - PET 4312C Kinesiology/Biomechanics 3 hrs
    - SPM 3130 Aquatic Management 3 hrs
    - PET 4002 Outdoor and Leisure Activities 3 hrs
    - SPM 3204 Sports and Ethics 3 hrs
    - SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
    - PET 3361 Nutrition and Metabolism in Sport and Exercise 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No grades below “C” (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor
- An overall GPA of 2.5 is required to satisfy the minor.

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
- (18 hrs)
  - RUS 2200 Intermediate Russian Language and Civilization I 3 hrs
  - RUS 2201 Intermediate Russian Language and Civilization II 3 hrs
  - REL 3340 Buddhist Thought or 3 hrs
  - REL 3333 Buddhism 3 hrs
  - REL 3345 Native American Religions or 3 hrs
  - REL 3335 Native American Religions or 3 hrs
  - REL 3331 Hinduism 3 hrs
  - REL 3332 Hinduism 3 hrs
  - REL 3333 Hinduism 3 hrs

Asian and Indigenous Traditions
- (3 hrs)
  - REL 3333 Hinduism 3 hrs
  - REL 3345 Native American Religions or 3 hrs
  - REL 3331 Hinduism 3 hrs

Theories and Methods
- (6 hrs)
  - Must select one in each category
    - 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 or 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 to 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.
### Restricted Electives

**History**
- EUH 4571  History of Russia to 1801  3 hrs
- EUH 4574  History of Russia, 1801-1917  3 hrs
- EUH 4576  History of Russia in the 20th Century  3 hrs
- EUH 4663  History of Communism in Europe  3 hrs

**Government/Politics**  3 hrs
- CPO 3614  Politics of Eastern Europe  3 hrs
- CPO 4643  Government and Politics of Russia  3 hrs
- PLA 4830  World Legal Systems  3 hrs
- POT 4414  Marxist Political Theory  3 hrs

**Cultural**  3 hrs
- LIT 3082  Continental European Fiction Since 1900  3 hrs
- LIT 3931  Topics in World Literature  3 hrs
- LIT 4233  Postcolonial Theory and Literature  3 hrs
- RUT 3505  Russian Culture and Civilization  3 hrs
- RUS 3955  Study Abroad  3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

### Science Education - Minor

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**


Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@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.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- EDF 4467  Learning Theory and Assessment  3 hrs
- TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
- RED 4083  Content Reading in Kindergarten through Grade 12  3 hrs
- SCE 4360  Science Instructional Analysis  4 hrs
- SCE 4361  Programs in Teaching Science  3 hrs

### Security Computing and Networks - Minor

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,**

**Room: 346**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

## Minor Admission Requirements

- None

## Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- CIS 3360  Security in Computing  3 hrs
- CIS 3362  Cryptography and Information Security  3 hrs

### Restricted Electives

- Select 4: 12 hrs
  - CNT 4403  Network Security and Privacy or 3 hrs
  - CIS 4361  Secure Operating Systems and Administration or 3 hrs
  - CIS 4615  Secure Software Development and Assurance or 3 hrs
  - CNT 4703C  Design and Implementation of Computer Communication Networks or 3 hrs
  - CNT 4704  Analysis of Computer Communication Networks or 3 hrs
  - COP 4600  Operating Systems or 3 hrs
  - EEL 4781  Computer Communication Networks  3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- 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.
Minors

Social Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

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)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in social science as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Sociology - Minor
College of Arts and Humanities
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

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: mllfaculty@ucf.edu
Dr. Paul Giordano, 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- 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.
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 404 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- SPB 3003 Introduction to Sport Business Management 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 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 404 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
- 25

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.
Statistics - Minor
College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4153 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- 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.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Email: jwhiteman@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, 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 intended for students admitted to a degree program in the College of Education and Human Performance and 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
- Must be Junior standing

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 I, 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)

Select 1
- MAN 4802 New Venture and Small Business Management or
- EGN 4641C Engineering Entrepreneurship (3 hrs)
## Minors

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3006</td>
<td>Greece to Grease: Development of Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2101</td>
<td>Fundamentals of Acting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 4713</td>
<td>Game Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4715C</td>
<td>Game Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

## Urban and Regional Planning - Minor

### College of Health and Public Affairs

### School of Public Administration

### Health & 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</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 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4251</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Urban and Regional Planning - 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
  - 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4710C</td>
<td>Aerospace Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4713</td>
<td>Game Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4715C</td>
<td>Game Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.
Minors

Women's Studies - Minor

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, 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

Select 3: (9 hrs)
- Select three courses from the Theories Group:
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3561 Third Wave Feminisms or 3 hrs
  - WST 3621 Theories of Masculinity or 3 hrs
  - WST 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

Restricted Electives (6 hrs)
- Students should complete at least one of their two elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches
- WST 3020 Girls' Studies 3 hrs
- WST 3371 Women and Leadership 3 hrs
- WST 3460 Women, Race and Struggle 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 3522 First and Second Wave Feminisms 3 hrs
- WST 3621 Theories of Masculinity 3 hrs
- WST 4002 Research in Women and Gender 3 hrs
- WST 4021 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs

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
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3283 Contemporary American Women's Fiction 3 hrs
- ARH 4711 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3800C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs

Women's Wellness
- CLP 3184 Women's Mental Health 3 hrs
- NSP 4425 Women's Health Issues 3 hrs
- SOP 3742 Psychology of Women 3 hrs

Select 1: (3 hrs)
- PEM 2405 Self Defense for Women and Men 3 hrs
- SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy
- ANT 3302 Sex, Gender and Culture 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPD 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs
- PUP 4233 Women and Public Policy 3 hrs
- SYD 4810 Women in Contemporary Society 3 hrs
- SYD 4813 Women, Law and Social Change 3 hrs
- SYD 4100 Family Trends 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs

Foreign Language Requirements
- None

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.
Minors

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)
- IDS 3333  World Comparative Studies  3 hrs

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.

Language and Culture
- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
- Required Courses (3 hrs)
  - ANT 3145  Archaeology of Complex Societies  3 hrs
  - ANT 3319  Anthropology of Diaspora  3 hrs
  - ANT 3212  Peoples of the World  3 hrs
  - ANT 4702  Culture, Power and Development  3 hrs
  - FSS 3026  Culture and Cuisine  3 hrs
  - HFT 4866C  Exploring Wines of the World  3 hrs
  - HFT 3868  History and Culture of Wine  3 hrs
  - HFT 4894  International Gastronomy  3 hrs
  - REL 3636  Islam  3 hrs

Economics
- Required Courses (3 hrs)
  - ANT 4702  Culture, Power and Development  3 hrs
  - ECO 3302  Economics and the Environment  3 hrs
  - ECO 4713  International Microeconomics  3 hrs
  - ECS 4013  Development Economics  3 hrs
  - ECP 3302  Economics and the Environment  3 hrs
  - HFT 3700  Tourism Management  3 hrs
  - INR 4035  International Political Economy  3 hrs

Biological and Geophysical Environment
- Required Courses (3 hrs)
  - IDS 3350  Foundations of Environmental Studies  3 hrs
  - ECP 3302  Economics and the Environment  3 hrs
  - SYD 4510  Environment and Society  3 hrs
  - HFT 4735  Tourism Geography  3 hrs
  - INR 4351  International Environmental Law  3 hrs
  - ENV 3001  Introduction to Environmental Engineering  3 hrs
  - GIS 3042  GIS for Environmental Studies  3 hrs
  - PHI 3033  Philosophy, Religion, and the Environment  3 hrs
  - PHI 3640  Environmental Ethics  3 hrs

Social Structure and Change
- Required Courses (3 hrs)
  - 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
- Required Courses (3 hrs)
  - FIL 3846  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 3942  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)
- EDS 4410  Teaching Strategies and Classroom Management  3 hrs
- EDF 4467  Learning Theory and Assessment  3 hrs
- TSL 4080  Theory and Practice of Teaching ESL  3 hrs
- TSL 4942  ESOL Field Experience  3 hrs
- TSL 4943  L2 Academic Language Instruction  3 hrs
- TSL 4945  ESOL Clinical Experience  3 hrs

Select 1:
- TSL 4240  Issues in Second Language Acquisition  3 hrs
- TSL 4945  ESOL Clinical Experience  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
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.

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
Minors

- 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.
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work,
Health & 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
PSY 3951 Undergraduate Field Work 3 hrs
SYP 4941 Internship 3 hrs

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs 6 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 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
1 SYP 5007 Women and Healthy Aging 3 hrs
2 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
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
  - SYG 2000 Introduction to Sociology

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003 Personality Theory and Research and
  - SYP 3510 Sociology of Deviant Behavior

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology 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
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
Certificates

Select 1: 9 hrs

Other Requirements

Total Semester Hours Required

Foreign Language Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (18 hrs)

Select 1: 9 hrs

Restricted Electives

Foreign Language Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (9 hrs)

Restricted Electives (6 hrs)

Foreign Language Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (15 hrs)

Restricted Electives

Foreign Language Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (12 hrs)

Restricted Electives

Foreign Language Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (15 hrs)

Restricted Electives

Foreign Language Requirements
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 3901 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 & Public Affairs I, Room: 311
Mary Ann Eastep, 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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4630 Criminal Profiling in Criminal Justice 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs

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 program.
- At least 12 hours used in the program 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 Building I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
  - 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 3442 Aquatic Ecology 3 hrs
    - INR 4351 International Environmental Law 3 hrs
Certificates

PUP 3203 Environmental Politics 3 hrs
PUP 3204 Sustainability 3 hrs
SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 4653 Meso American Art 3 hrs
- 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 Modern Latin America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director

Diplomacy - Certificate

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF 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 4714 Politics of International Trade Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs

INR 4351 International Environmental Law or 3 hrs
INR 4401 International Law or 3 hrs
INR 4502 International Organizations or 3 hrs
AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
EUH 4620 European Great Powers: 1815-1914 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.
Certificates

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:
- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
- 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)
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
- None

Finance: Investments - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Health Communications - Certificate
College of Sciences
Nicholson School of Communication
Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) It is designed to provide students in health-related fields training in facilitating health communication processes; 2) It allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.
Certificates

Admission Requirements

■ None

Certificate Requirements

■ Certificates will be awarded only at the time of degree completion.

Prerequisite Courses

■ Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)

COM 3022 Health Communication 3 hrs
COM 4550 Health Communication Campaigns 3 hrs
MMC 2004 Mass Media 3 hrs
PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)

Choose from the following:

ANT 4408 Culture, Disease, and Healing 3 hrs
ANT 4462 Medical Anthropology 3 hrs
COM 3120 Organizational Communication 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
HSA 3012 Issues & Trends in Public Health 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 4201 Community Health 3 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs
SPC 4540 Attitudes and Communication 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 15

Other Requirements

■ No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.

■ Communication majors must take their elective outside of the school of communication.

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 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

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

■ None

Other Requirements

■ A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.

■ At least 12 hours used in the certificate must be earned at UCF.

■ No credit by exam (TSD, Military credit) may be used.

■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

■ Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs

Department of Communication Sciences and Disorders,
Health & Public Affairs II, Room: 101

http://www.cohpa.ucf.edu/comdis

Email: csdundergraduate@ucf.edu

TBD

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 (11 hrs)
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3713 Language Science 3 hrs

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

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- LDR 2001 Foundations of Leadership 4 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 9 hrs
- Choose one course from three of the areas below:
  - Communication 3 hrs
    - COM 301LC Communication and Human Relations 3 hrs
    - COM 3120 Organizational Communication 3 hrs
    - COM 4461 Intercultural Communication 3 hrs
    - COM 4462 Conflict Management 3 hrs

Certification Requirements

Collaboration
- INP 3004 Industrial/Organizational Psychology or 3 hrs
- INP 4313 Organizational Psychology or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 3025 Management of Organizations or 4 hrs
- SPC 4426 Group Dynamics 3 hrs

Social Relations and Culture
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- CLP 3143 Abnormal Psychology or 3 hrs
- COM 4461 Intercultural Communication or 3 hrs
- EXP 3304C Motivation or 3 hrs
- SOP 3004C Social Psychology or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

Politics
- PAD 3003 Public Administration in American Society or 3 hrs
- PAD 4104 Administrative Theory or 3 hrs
- PAD 4144 Nonprofit Organizations or 3 hrs
- PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POS 4206 Political Psychology or 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs

Ethics
- BUL 3130 Legal and Ethical Environment of Business or 4 hrs
- EDF 3601 Professional Ethics in Education or 3 hrs
- PAD 3040 Ethics and Values in Public Administration or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3640 Environmental Ethics 3 hrs

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.

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 4941 Marketing Internship 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- Internship in "e"-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.
Certificates

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 6

Other Requirements
■ None

Marketing: Entertainment 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 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: 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: 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 4231 Retailing Management 3 hrs
MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-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
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

Marketing: Services 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
MAR 4603 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
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 4841 Services Marketing 3 hrs
  - 1MAR 4941 Marketing Internship 3 hrs

1 Internship in services-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: Sport Marketing 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 for the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  - MAR 4711 Sport Marketing 3 hrs
  - 1MAR 4941 Marketing Internship 3 hrs

1 Internship in sports-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
- 15

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
- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Required Courses
- (9 hrs)
  - ANT 3245 Native American Religions 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - AMH 3580 North American Indians 3 hrs

Restricted Electives
- (6 hrs)
  - Choose from the following:
    - AMH 3341 History of the Frontier: Eastern America 3 hrs
    - AMH 2010 U.S. History: 1492-1877 3 hrs
    - AMH 2020 U.S. History: 1877-Present 3 hrs
    - AML 3643 Contemporary Native American Prose and Poetry 3 hrs
    - ANT 3152 Indians of the Southwest 3 hrs
    - ANT 3158 Florida Archaeology 3 hrs
    - ANT 3160 Amerindians 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/Seminoles Relations 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - LAS 3101 Latin American Popular Culture 3 hrs
    - COP 4794 Indigenous Politics and the Environment 3 hrs
    - POS 3076 American Indian Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health & 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.
Certificates

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses *(15 hrs)*
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restricted Electives *(3 hrs)*
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration.

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Debbie Weaver, Program Advisor, deborah.weaver@ucf.edu, 407-823-0265

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 3391 Rhetoric and Civic Engagement 3 hrs

Select 1:
- 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

Writing
- Students must take one of the following courses:
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3355 Writing for Publication 3 hrs
  - ENC 4254 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

Other Requirements
- None

Additional Restricted Elective *(3 hrs)*
- Students must take one of the following courses:
  - Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the certificate.
  - 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
- 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.

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 3433 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
- 1 REE 4941 Internship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

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.

2 contexts
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)
- RRE 3043 Fundamentals of Real Estate 3 hrs
- RRE 3433 Real Estate Law 3 hrs
- RRE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- 1 RRE 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)
- RRE 3043 Fundamentals of Real Estate 3 hrs
- RRE 3433 Real Estate Law 3 hrs
- RRE 4303 Real Estate Investment Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- 1 RRE 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 & Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
- SCC 3311 Security Administration 3 hrs
- CJE 3803 Security Management 3 hrs
- CJE 4943 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
  - CJE 3821 Practical Security Applications 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Certificates

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.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Minimum GPA of 2.5 in all courses
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

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: 407-823-2472

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- 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
- 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.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/

Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements (12 hrs)
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- TSL 3346 English as an International Language 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- ANT 3610 Language and Culture 3 hrs
- TSL 4363 ESL Classroom Experiences 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.
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

Required Courses (12 hrs)

- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3931 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)

- SPN 3933 Spanish Across the Curriculum 1 hr
- SPN 4941 Internship 1 hr

Any upper division SPN or SPT course with advisor’s approval

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 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 within the Department.
- No credit by exam (TSD, Military credit) may be used.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate

College of Health and Public Affairs

Department of Criminal Justice, Health & Public Affairs I, Room: 311

Email: cjadvise@ucf.edu

Mary Ann 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 and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

None

Certificate Requirements

Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)

- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

Restricted Electives (6 hrs)

- Select two of the following:
  - SYP 4521 Crime Victims in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - CCJ 4564 Juvenile Justice System 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

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, 407-823-2269
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

Certificate Requirements

None

Prerequisite Courses

None

Required Courses (9 hrs)

- WST 3015 Introduction to Women’s Studies 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4564 Juvenile Justice System 3 hrs
- SYP 4625 Women’s Studies 3 hrs
- SYP 4625 Women’s Studies 3 hrs
- SYP 4941 Internship 1 hr

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: 307
http://www.mmae.ucf.edu
Email: mmaeugrad@ucf.edu

Admission Requirements
- Phone: 407-823-2416
- Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
- Email: mmaeugrad@ucf.edu
- Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
- http://www.mmae.ucf.edu
- Engineering, Room: 307
- Department of Mechanical and Aerospace Engineering,
- College of Engineering and Computer Science

M.S.A.E. or M.S.M.E.) Undergraduate-Graduate Program (B.S.A.E. / A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

1. UCF General Education Program (GEP) (38 hrs)
   - See Aerospace Engineering major in catalog for GEP requirements.

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3032 Probability and Statistics for Engineers 3 hrs
   - EAS 3101 Fundamentals of Aerodynamics 3 hrs
   - EAS 3800C Aerospace Engineering Measurements 3 hrs
   - EAS 3810C Design of Aerospace Experiments 3 hrs
   - EAS 4105 Flight Mechanics 3 hrs
   - EAS 4134 High-Speed Aerodynamics 3 hrs
   - EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
   - 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

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
   - None

7. Foreign Language Requirements
   - Admissions
   - Minimum of 64 credit hours.
   - Completion of the GRE with a highly competitive score is required for all engineering students.
   - Completion of no more than 96 credit hours.
   - Qualified students may apply after completion of a minimum of 64 credit hours.
   - Completion of no more than 12 credit hours of Graduate level course work for technical elective credit.

Graduation
- None
- Admissions
- Degree Requirements
- None
- 7. Foreign Language Requirements
- Admissions
- Degree 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.
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 & 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 2106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- Suggested STA 2014C Principles of Statistics or 3 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Suggested PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics or 3 hrs
- Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Required PHY, CHM, or PSC course listed in GEP E.1 3 hrs
- Any BSC course listed in GEP E.2 or ANT 2511 3 hrs

2. Common Program Prerequisites (CPP)
- STA 2014C Principles of Statistics GEP
- PSY 2012 General Psychology GEP
- Any BSC course or ANT 2511 GEP
- PHY, PSC or CHM GEP

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (50 hrs)
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 3101 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 3011L Speech Production lab 1 hr
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 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 4 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Statistics Requirement 6 hrs
- STA 2023 Statistical Methods I and 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 2023 Statistical Methods I and 3 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 3 hrs
- SPA 6805 Research in Communicative Disorders 3 hrs
- STA 2023 Statistical Methods I and 3 hrs
- 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
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or
  one year of one foreign language in college (or equivalent
  proficiency exam) prior to graduation. American Sign
  Language (ASL) can be used to fulfill the foreign language
  admission requirement.
Graduation
- Students pursing 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
- SPA 6204 Articulation/Phonological Disorders 3 hrs
- SPA 6410 Aphasia and Related Disorders 3 hrs
- SPA 6496 Language Disorders in Children and
  Adolescents 6 hrs
- SPA 6805 Research in Communicative Disorders
  3 hrs
- SPA 6551 Strategic Application of the Scientific
  Process in Clinical Practice 1 hr

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: $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 Corporation Engineering Center,
Room: 439
http://www.eecs.ucf.edu
Email: eecpe-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a
  minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score
  by the end of first semester of the senior year
- Admission is not automatic. Interested students may
  need to be interviewed.

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
  CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

   Computer Engineering: Basic Core
   EGN 1007C Engineering Concepts and Methods
   EGN 1006C Introduction to the Engineering Profession

4. Core Requirements: Advanced Level (57 hrs)

   Courses Required for the Engineering Core 6 hrs
   EGN 3310 Engineering Analysis-Statics
   STA 3032 Probability and Statistics for Engineers
   GEP
   Select 1:
   EGN 3321 Engineering Analysis-Dynamics
   EGN 3358 Thermo-Fluids-Heat Transfer

   Courses Required for the Major 48 hrs
   COT 3100C Introduction to Discrete Structures
   COP 3502C Computer Science I
**Accelerated Undergraduate-Graduate Programs**

**Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)**

**College of Engineering and Computer Science**
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 437

**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.
  - A: Communication Foundations
  - B: Cultural & Historical Foundations
  - C: Mathematical Foundations
  - D: Social Foundations
  - E: Science Foundations
- 2. Common Program Prerequisites (CPP) (12 hrs)
  - See Computer Science major in the catalog for acceptable courses.

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**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 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 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**
- 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**
- 152

**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

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**Rule, and nine hours of Summer credit.**

**CLEP, Credit by Exam, and Armed Forces credits permitted.**

**completed in residency at UCF.**

**12. University Minimum Exit Requirements**
- 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.
  - A: Communication Foundations
  - B: Cultural & Historical Foundations
  - C: Mathematical Foundations
  - D: Social Foundations
  - E: Science Foundations
- 2. Common Program Prerequisites (CPP) (12 hrs)
  - See Computer Science major in the catalog for the CPP requirements.
Accelerated Undergraduate-Graduate Programs

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
   - COT 3100C  Introduction to Discrete Structures  3 hrs
   - CIS 3300  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)
   - COP 4331C  Processes for Object-Oriented Software  3 hrs
   - EEL 4768  Computer Architecture  3 hrs
   - COT 4210  Discrete Structures II  3 hrs
   - COP 4202  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
   - COT 3100C  Introduction to Discrete Structures  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 3300  Security in Computing  3 hrs
   - COP 3402  Systems Software  3 hrs
   - COT 3960  CS Foundation Exam  0 hrs

5. Restricted Electives (15 hrs)
   - 5000 level Computer Science courses  9 hrs
   - Courses 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:
   - 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 Robot Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/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. Kaipathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None
1. UCF General Education Program (GEP) (38 hrs)
   - See Electrical Engineering major in the catalog for track specific GEP requirements.
   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations
2. Engineering Core: Basic (2 hrs)
   - Engineering Concepts and Methods
   - Introduction to the Engineering Profession
3. Law & Ethics (1 hr)
   - CECS 3317
4. Core Requirements: Advanced Level (53 hrs)
   Engineering Core: Advanced
   - Engineering Analysis-Statics
   - Engineering Analysis-Dynamics
   - Introduction to the Engineering Profession
   - Probability and Statistics for Engineers
   - Physics for Engineers and Scientists III
   Select 1:
   - Engineering Analysis-Dynamics or
   - Thermo-Fluids-Heat Transfer
5. Courses Required for the Major (44 hrs)
   - Electrical Networks
   - Semiconductors Devices I
   - Electronics I
   - Digital Systems
   - Electromagnetic Fields
   - Analog and Digital Communication
   - Control Systems
   - Computer Organization
   - Digital Signal Processing Fundamentals
   - Embedded Systems
   - Engineering Analysis and Computation
6. 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.
7. Capstone Requirements (6 hrs)
   - Senior Design I
   - Senior Design II
8. 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
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.
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/

Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. 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 program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- 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 course work 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
1 AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
- Select one of the following sequences of courses:
  - 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 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

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.

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

147

Honors In Major

- None

Related Programs

- Humanities
- Certificates
- None

Related Minors

- Africana Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- None

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oehs.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering - Accelerated
Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.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

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.

- EIN 1002C Introduction to Industrial Engineering and Management Systems 1 hr
- EIN 3310 Engineering Analysis-Statics 3 hrs
- EIN 3321 Engineering Analysis-Dynamics 3 hrs
- EIN 3351 Engineering Economic Analysis and Cost 3 hrs
- EIN 4221 Empirical Methods for Industrial Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs

- COP 3223 Introduction to Programming with C 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EIN 5108 The Environment of Technical Organizations 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- EIN 3314 Work Analysis and Design 3 hrs
- EIN 3351 Engineering Economic Analysis and Cost 3 hrs
- EIN 4221 Empirical Methods for Industrial Engineering 3 hrs
- EIN 4234 Quality Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs

- EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
- EIN 3310 Engineering Analysis-Statics 3 hrs
- EIN 3321 Engineering Analysis-Dynamics 3 hrs
- EIN 3351 Engineering Economic Analysis and Cost 3 hrs
- EIN 4221 Empirical Methods for Industrial Engineering 3 hrs
- EIN 4234 Quality Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs
Accelerated Undergraduate-Graduate Programs

EIN 4301 Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
1 ESI 5306 Operations Research 3 hrs
4 ESI 5531 Discrete Systems Simulation 3 hrs
Select 1: 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
EGN 3343 Thermodynamics 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
   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)
3. Restricted Electives (7 hrs)
   Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another Three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.
4. Electives
5. Capstone Requirements
   None
6. 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.
7. Admission
   None
8. Electives
   None
9. Additional Requirements
   None
10. Required Minors
    None
11. Departmental Exit Requirements
    EIN 4891C Industrial Engineering Senior Design 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 Undergraduate Hours Required 128
Total Combined Hours Required 146

Honors in Major
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.o eas.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 I, Room: 307
http://www.mmae.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)
   EGN 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
   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 4703 Fluid Mechanics II or 3 hrs
   EML 4504 Design & Analysis of Machine Components II 3 hrs

Select 1 of the Following: 3 hrs
   EML 4301C Mechanical Systems Lab or 3 hrs
   EML 4306C Energy Systems Lab

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
   - 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 (6 hrs)
    - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.
    Select 1: 3 hrs
    EML 4501C Engineering Design I or 3 hrs
    EGN 4412C Interdisciplinary Design I 3 hrs
    Select 1: 3 hrs
    EML 4502C Engineering Design II or 3 hrs
    EGN 4413C Interdisciplinary Design II 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 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
    meet 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 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 Advising I
  - EML 4991 Mechanical Career and Academic Faculty 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
  - 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.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.oecs.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Accelerated Undergraduate-Graduate Programs

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. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Patricia Leli, Undergraduate 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.
■ Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
■ Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
■ All applicants must have a minimum overall GPA of 3.0
■ Selected applicants will be invited to a mandatory personal interview session
■ Applicants are encouraged to attend an information session, prior to submitting the application.
■ Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
■ At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

**Group A**
■ grade of C (2.0) or better
Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab (or A&P I, II) 4 hrs
1 CHM 1032 General Chemistry 3 hrs

1 or other approved Science

Group B
■ grade of C (2.0) or better
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 an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
■ UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

1 MCB 2004C Microbiology for Health Professionals 4 hrs
1 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:
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1:
SOW 3104 Assessing I: Human Development or 3 hrs
DEP 2004C Developmental Psychology 3 hrs

Select 1:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 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 3755 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 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
1 NUR 3167 Accelerated Nursing Research Seminar 1 hr
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
5. Restricted Electives (3 hrs)

NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

6. Capstone Requirements

Advising Notes

7. Foreign Language Requirements

Admissions: None

Graduation Requirements: None

8. Electives

Required Minor: 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
- 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: ucnurse@ucf.edu

Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

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
Accelerated Undergraduate-Graduate Programs

- 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 website 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 program completion
- 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)

<table>
<thead>
<tr>
<th>Section</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 1:</td>
<td>SYG 2000</td>
<td>Introduction to Sociology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- SYG 2000 Introduction to Sociology or
- PSY 2012 General Psychology
- POS 2041 American National Government

1 One of these courses is required to meet General Education requirements.

### 2. Core Requirements: Basic Level (30 hrs)

<table>
<thead>
<tr>
<th>Track</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (30 hrs)

#### NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS (12 hrs)

<table>
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</table>

### 4. Core Requirements: Advanced Level (30 hrs)

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</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

**Upper Division Credit**

- May be met by validation and RN License.

#### Upper Division Credit (27 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
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</tr>
</tbody>
</table>
Accelerated Undergraduate-Graduate Programs

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 are 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

Honors In Major
□ Contact CON HIM Advisor or Program Coordinator

Related Programs
□ Health Services Administration

Certificates
□ Aging Studies

Related Minors
□ Psychology
□ Health Sciences
□ Health Services Administration
□ Health Information Management

Advising Notes
□ Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
□ A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
□ None

Shared Courses
□ None

Graduate Courses Link
□ None

Program Academic Learning Compacts
□ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
□ Part-Time Student: $25 per term
□ Full-Time Student: $50 per term
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

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.

Admission Requirements:
1. Students must graduate with the specific program and new A.S. in Fall 2000 or later. Students must be enrolled at a Florida public community or state college.
2. Students who have completed 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 have 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 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 Director of Advising 407-823-5549, 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/
TBA, Regional Campuses Administration, 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 community or state college 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 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 personal 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 (10 hrs)

Select 1:
- MAN 3025 Management of Organizations 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- PLA 3014 Law and the Legal System 3 hrs

Select 1:
- ENC 3241 Writing for the Technical Professional 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.

Supervision and Administration Track 19 hrs
Take all of the following: 19 hrs

- INP 3004 Industrial/Organizational Psychology and Personnel Management 3 hrs
- MAR 3023 Marketing and Sales Management 4 hrs
- MAN 3302 Essentials of Human Resource Management 3 hrs
- MAN 3354 Employee Training for Non-Business Majors andRestricted Elective (Consult with Program Advisor) 3 hrs
- ACG 3082 Accounting For Non-Business Majors andRestricted Elective (Consult with Program Advisor) 3 hrs

- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

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.

Admission Requirements:
1. Completion of an A.S. degree from a Florida College System institution Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements:
1. Students must earn 42 semester hours of upper level credit.
2. Students who change degree programs and select this major must adopt the most current catalog.
6. Capstone Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice Track</td>
<td>18 hrs</td>
</tr>
<tr>
<td>CCJ 3024  Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014  Crime in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 2:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>CJI 3510  Prosecution and Adjudication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3010  Corrections and Penology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014  Police and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Six additional hours of CCJ, CJC, CJE, CJI, or CJT courses, selected with the aid of an academic advisor</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Legal Studies Track</td>
<td>18 hrs</td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>PLA 3014  Law and the Legal System and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3108  Legal Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 4:</td>
<td>12 hrs</td>
</tr>
<tr>
<td>PLA 3155  Legal Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3205  Civil Practice and Procedure or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3277  The Law of Torts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3309  Criminal Procedure or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4424  The Law of Contracts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4703  Professional Ethics and Liability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>18 hrs</td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>15 hrs</td>
</tr>
<tr>
<td>HSA 3111  U.S. Health Care Systems and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201  Community Health and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180  Organization &amp; Management for Health Agencies I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191  Health Care Automation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500  Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652  Health Law and Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109  Principles of Managed Care or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4702  Health Sciences Research Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C  Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Information Technology Track</td>
<td>21 hrs</td>
</tr>
<tr>
<td>Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I.</td>
<td></td>
</tr>
<tr>
<td>Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.</td>
<td></td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>21 hrs</td>
</tr>
<tr>
<td>CET 3383  Applied Systems Analysis I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4427  Applied Database I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4448  Applied Project Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4748  Wide Area Networks I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4749  Wide Area Networks II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4663  Computer and Network Security and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4483  Intro to Local Area Network Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Software Development Track</td>
<td>21 hrs</td>
</tr>
<tr>
<td>Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&amp;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.</td>
<td></td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>21 hrs</td>
</tr>
<tr>
<td>COP 3330  Object Oriented Programming and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 3024  Software Development I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4025  Software Development II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4910  Software Development Project and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4448  Applied Project Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4802  Software Integration, Configuration, and Testing and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4333  Advanced Database Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>6. Capstone Requirements</td>
<td>None</td>
</tr>
</tbody>
</table>
Statewide Articulated A.S. To B.S. Programs

Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health & Public Affairs I, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvice@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida College System institution.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     - A: Communication Foundations
     - B: Cultural & Historical Foundations
     - C: Mathematical Foundations
     - D: Social Foundations
     - E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - CCJ 3024  Criminal Justice System  3 hrs
   - CCJ 3014  Crime in America  3 hrs
   - 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
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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.
Statewide Articulated A.S. To B.S. Programs

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.
   - ACO 2221 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 must complete both MAC 2233 and STA 2023 with a "C" (2.0) or better to be waived from ECO 3401.
     ECO 3401 Quantitative Business Tools I 3 hrs
     or
     or
     MAC 2233 Concepts of Calculus and Business 3 hrs
     STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (44 hrs)

   Core Classes 32 hrs
   - First or subsequent semester in the College of Business Administration:
     BUL 3130 Legal and Ethical Environment of Business 4 hrs
     ECO 3411 Quantitative Business Tools II 4 hrs
     FIN 3403C Business Finance 4 hrs
     1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     GEB 3375 Introduction to International Business 4 hrs
     MAN 3025 Management of Organizations 4 hrs
     MAR 3023 Marketing 4 hrs
     MAR 3203 Supply Chain and Operations Management 4 hrs

   Second Level Core Requirements 12 hrs
   - Students must take the following four (4) courses:
     ECP 4703 Managerial Economics 3 hrs
     FIN 3303 Financial Markets 3 hrs
     MAN 3301 Management of Human Resources 3 hrs
     MAR 3503 Consumer Behavior 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 4 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 4 hrs
     MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements
   - Admissions
   - None
   - Electives
   - Must be outside of the College of Business (variable)

8. Graduation

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 132

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.

1 Required in 1st or 2nd semester.
2 Must be taken with GEB 3031
Statewide Articulated A.S. To B.S. Programs

- 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.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

- None

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: 3 hrs

CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I GEP

Select 2: 3 hrs

ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)

Hospitality Management Core 27 hrs

HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3470 Hospitality Industry Management 3 hrs
HFT 4296 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 9 hrs

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 4727 Yacht, Country, And Club Management 3 hrs

Guest Lecture 1 hr

1 HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

1 See Program Advisor for Options

5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) from the following:

FSS 3008 Culture and Cuisine 3 hrs
FSS 4135 Corporate Contract and Managed Services Organizations 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 3384 Golf and Club Enterprises Management 3 hrs
HFT 3654 Franchising in the Restaurant Industry 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4253 Advanced Lodging Operations 3 hrs
HFT 4265 Hospitality Brand Management 3 hrs
HFT 4266 Case Studies in Restaurant Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
HFT 4343 Hospitality Facilities Management 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4473 Hospitality Development Analysis 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4532 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 4725 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 4786 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4787 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 4894 International Gastronomy 3 hrs
HFT 5013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Full-Time Student: $30 per term
Part-Time Student: $15 per term

University of Central Florida
416 Undergraduate Catalog 2013-2014
Specialized Tracks  
- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

**Theme Park and Attraction Mgmt Track 15 hrs**
- HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 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 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4787 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 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
- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

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 X011
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs may be substituted with: ACG X011

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: $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. Jean Leuner, Dean
Dr. Linda Hennig, 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

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

UNIVERSITY OF CENTRAL FLORIDA

417 Undergraduate Catalog 2013-2014
Statewide Articulated A.S. To B.S. Programs

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. Students 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 1098 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 1105C College Algebra 3 hrs
   - Required STA 2014 Principles of Statistics 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Prefer MAC 1105C College Algebra 3 hrs
   - Preferred STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Required SYG 2000 Introduction to Sociology 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

   E: Science Foundations (7 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 1032 General Chemistry 3 hrs

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 Human Nutrition 3 hrs
   3 MCB 2004C Microbiology for Health Professionals 4 hrs
   4 PCB 3703C Human Physiology 4 hrs
   5 ZOO 3733C Human Anatomy 4 hrs

   Select 1:
   1 STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

   Select 1:
   1 SOW 3104 Assessing I: Human Development or 3 hrs
   2 DEP 2004C Developmental Psychology 3 hrs

   Select 1:
   1 PSY 2012 General Psychology or GEP
   2 SYG 2000 Introduction to Sociology GEP

   1 (or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.
   2 May take Anatomy and Physiology sequence of six-eight total credits
   3 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (54 hrs)

   UCF Core (27 hrs)
   - NUR 3055 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - 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 Nursing for RNs 4 hrs
   - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR 4637 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
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 3755 Essentials of Nursing Practice Clinical 2 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
   - NUR 3225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives (3 hrs)
   - 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 enrollment in NUR 3634.

   Graduation
   - None

8. Electives
   - variable to meet degree requirements

9. Additional Requirements

   - A criminal background check and mandatory Drug Screening are 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) or better
   - Maintain a UCF GPA of 2.5 or above
   - Maintain a College of Nursing GPA of 2.5 or above

   Progression Requirements:
   - Prior to NUR 3805: RN status or eligible to take NCLEX.
   - Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
   - 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 Florida College System or State University System institution; 3) complete Nursing prerequisites; and 4) complete foreign language admission requirement.

   Other:
   - Selected Courses may be offered at regional campuses.
   - The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
   - None

11. Departmental Exit Requirements

   - Completion of all courses in major with a grade of “C” (2.0) or better
   - Cumulative overall GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

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
Statewide Articulated A.S. To B.S. Programs

Honors In Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- Assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4628 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. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their 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 maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

**General Rule for Course Equivalencies**

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in **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 I.”

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 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.

<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>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English Composition</th>
<th>Lower (Freshman) at this institution</th>
<th>Freshman Composition Skills</th>
<th>Freshman Composition Skills I</th>
</tr>
</thead>
</table>

**Example of Course Identifier**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
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<tr>
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<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>
 Exceptions to the General Rule for Equivalency
Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.

D. College preparatory and vocational preparatory 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 to transfer. 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 Turtlecove Building, Tallahassee, Florida 32303-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ECM</td>
<td>Engineering: Computer Math</td>
</tr>
<tr>
<td>ECO</td>
<td>Economics</td>
</tr>
<tr>
<td>ECP</td>
<td>Economic Problems &amp; Policy</td>
</tr>
<tr>
<td>ECS</td>
<td>Economic Systems &amp; Development</td>
</tr>
<tr>
<td>ECT</td>
<td>Education: Career/Technical</td>
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<tr>
<td>ECW</td>
<td>Education: Career/Workforce</td>
</tr>
<tr>
<td>EDA</td>
<td>Educational Administration</td>
</tr>
<tr>
<td>EDE</td>
<td>Education: Elementary</td>
</tr>
<tr>
<td>EDF</td>
<td>Education: Foundations and Policy Studies</td>
</tr>
<tr>
<td>EDG</td>
<td>Education: General</td>
</tr>
<tr>
<td>EDH</td>
<td>Education: Higher</td>
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<tr>
<td>EDM</td>
<td>Education: Middle School</td>
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<tr>
<td>EDP</td>
<td>Educational Psychology</td>
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<tr>
<td>EDS</td>
<td>Education Supervision</td>
</tr>
<tr>
<td>EEC</td>
<td>Education: Early Childhood</td>
</tr>
<tr>
<td>EED</td>
<td>Education: Emotional Disorders - See EBD</td>
</tr>
<tr>
<td>EEE</td>
<td>Engineering: Electrical and Electronic</td>
</tr>
<tr>
<td>EEL</td>
<td>Engineering: Electrical</td>
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<td>EES</td>
<td>Environmental Engineering Science</td>
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<td>EET</td>
<td>Electronic Engineering Technology</td>
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<td>EEV</td>
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<tr>
<td>EEX</td>
<td>Education: Exceptional Child</td>
</tr>
<tr>
<td>EGC</td>
<td>Counselor Education</td>
</tr>
<tr>
<td>EGI</td>
<td>Education: Gifted</td>
</tr>
<tr>
<td>EGM</td>
<td>Engineering Science</td>
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<td>EGN</td>
<td>Engineering: General</td>
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<td>EGS</td>
<td>Engineering: Support</td>
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<td>EHD</td>
<td>Education: Hard Of Hearing &amp; Deaf</td>
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<tr>
<td>EIA</td>
<td>Education: Industrial Arts</td>
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<tr>
<td>EIN</td>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>EIV</td>
<td>Education: Industrial/Vocational</td>
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<tr>
<td>ELD</td>
<td>Education: Specific Learning Disabilities</td>
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<tr>
<td>ELM</td>
<td>Education: Vocational</td>
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<tr>
<td>ENS</td>
<td>English For Non-Native Speakers (College Lvl) Disc. - See EAP</td>
</tr>
<tr>
<td>EMA</td>
<td>Materials Engineering</td>
</tr>
<tr>
<td>EMC</td>
<td>Engineering: Mechanical &amp; Chemical</td>
</tr>
<tr>
<td>EME</td>
<td>Engineering: Mechanical and Media</td>
</tr>
<tr>
<td>EML</td>
<td>Engineering: Mechanical</td>
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<td>EMR</td>
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<td>ENV</td>
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<td>Entomology</td>
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<td>Engineering Technology: Drafting</td>
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<td>EXP</td>
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<td>FAD</td>
<td>Home Economics: Family Development</td>
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<td>FAM</td>
<td>Fashion Modeling</td>
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<td>Fishery &amp; Aquacultural Science</td>
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<td>Fire Fighting &amp; Protection</td>
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<td>Finance</td>
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<td>FOW</td>
<td>Foreign Languages, Comparative Literature (Writings)</td>
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<td>FYC</td>
<td>Family, Youth and Community</td>
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<td>GEO</td>
<td>Geography: Regional Areas</td>
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<td>GEB</td>
<td>General Business</td>
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<td>Geography: Systematic</td>
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<tr>
<td>GET</td>
<td>German Culture in Translation</td>
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<td>SWS</td>
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<td>VTV</td>
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<td>YOR</td>
<td>Yoruba Language</td>
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<td>YOT</td>
<td>Yoruba Culture in Translation or Translation 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.

Special Course Undergraduate Graduate

Directed Independent Studies 1906, 2905, 3906 5907
Directed Independent Research 4912 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicum, Clinical Prac 3940, 4941 5944
Cooperative Education 1949, 2949, 3949, 4949 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 4903H 5907
Honors Directed Reading 4804H
Study Abroad 4955 5957

*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 = College of Medicine, CON = College of Nursing, COS = College of Sciences, ECS = College of Engineering and Computer Science, ED = College of Education, HPA = College of Health and Public Affairs, OPT = School of Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
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</table>
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 course 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 MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each 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 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, each with a grade of "C" (2.0) or better. Theory and practice of using accounting information for managerial information. 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 3331 and COS 2300C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3331 or ACG 3361, with a "C" (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0) Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ADE 4382 ED-EHHS 3(3,0) Teaching Adult Learners in Technical Programs: PR: ECT 3306 or C.I. Planning for and teaching of adult learners in formal & informal technical settings. Fall.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPC 1608, or SPC 1603C, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

ADV 4101 COS-COMM 3(3,0) Advertising Copywriting: PR: A-I course major or minor and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0) Radio-Television Advertising: PR: A-I course major or minor and ADV 3008 or C.I. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to media needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0) Advertising Media Planning: PR: ADV 3008 and A-I course major. Media planning and buying, including basic media terms, calculations, and resources. Fall.


AFA 3006 CAH-AAS 3(3,0) The African Diaspora: Theories and Movements: PR: ENC 1102. Provides a broad understanding of the cultural, social, and political experiences that define the African Diaspora. Fall.

AFA 3102 CAH-AAS 3(3,0) Introduction to African Studies: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0) The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.

AFA 3371 CAH-AAS 3(3,0) Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3420 CAH-AAS 3(3,0) Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the sociopolitical thought of Malcolm X and its impact on African political struggles. Fall.

AFA 3955 CAH-AAS 6(6,0) Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

AFA 4105 CAH-AAS 3(3,0) Documenting African Heritage and Life: PR: ENC 1102 or C.I. Principles and research in the process of documenting African heritage and life. Occasional.


AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0) African History to 1870: PR: C.I. Sub-Saharan African institutes and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.

AFH 5259 CAH-HIST 3(3,0) Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0) The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFR 1101C ECS-AFROTC 1(1,2) The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
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<td>AMH 2010</td>
<td>U.S. History: 1492-1877: Survey of U.S. History from 1492-1877</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
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<td>AMH 2010H</td>
<td>Honors U.S. History: 1492-1877: Consent of Honors. Survey of U.S. History from 1492-1877</td>
<td>3(3,0)</td>
<td>Fall, Spring</td>
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<td>AMH 2020</td>
<td>U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AHM 2010.</td>
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<td>Fall, Spring</td>
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<tr>
<td>AMH 2020H</td>
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<td>3(3,0)</td>
<td>Honors-level content. Fall, Spring.</td>
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<tr>
<td>AMH 3370</td>
<td>Latin American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S. with emphasis on agriculture, labor, industrialization, transportation, and banking.</td>
<td>3(3,0)</td>
<td>Occasional.</td>
</tr>
<tr>
<td>AMH 3402</td>
<td>History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun, constitutional theories, secession, Civil War and its aftermath. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the &quot;solid South&quot; and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 3422</td>
<td>Frontier Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern Americans: PR: AMH 2010 and AMH 2020, or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to European history. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3442</td>
<td>History of the Frontier: Western America: PR: AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3541</td>
<td>U. S. Military History To 1900: PR: AMH 2010 and AMH 2020. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3547</td>
<td>U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U.S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3562</td>
<td>Women in American History II: PR: AMH 2010. AMH 2020 or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earners, and rise of modern feminist movement. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I: PR: AMH 2010, AMH 2020, or C.I. History of Black Americans from Africa to slavery, to freedom and its limits in pre-World War I America. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3572</td>
<td>Black American History II: PR: AMH 2010, AMH 2020 or C.I. A history of Black America in the Twentieth Century and the continuing struggle for equality in America. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3580</td>
<td>North American Indians: PR: AMH 2010 and AMH 2020. History of North American Indians and their relations with the United States from the 18th century to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3586</td>
<td>History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 3610</td>
<td>Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport since 1945. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 3611</td>
<td>Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. Odd Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AMH 3800</td>
<td>Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.</td>
<td>3(3,0)</td>
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</tbody>
</table>
AML 5156 CAH-ENGL 3(3,0) Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. Occasional.

ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods in applied anthropology 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. 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, as well as 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 reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Antropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. 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 5307 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, transnational peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0) Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. 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 data systems, assessment 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 current cultural issues that affect cultural competency. Occasional.

ANG 5622 COS-ANTHRO 3(3,0) Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. 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.

ANT 2095 COS-ANTHRO 3(3,0) General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.


ANT 2140 COS-ANTHRO 3(3,0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0) Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Fall.

ANT 2511L Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANT 3026 COS-ANTHRO 3(3,0) Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Either ANT 2000, ANT 2511, or C.I. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0) Archaeological Method and Theory: PR: or CR: ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Fall.

ANT 3142 COS-ANTHRO 3(3,0) Old World Prehistory: PR: Sophomore Standing. A comparative study of early societies in Africa, Europe, Asia from the earliest humans to the beginnings of recorded history. Fall.

ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANT 3148 COS-ANTHRO 3(3,0) Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to explore the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Spring.

ANT 3152 COS-ANTHRO 3(3,0) Indians of the Southwest: PR: ANT 2000 or ANT 2140, or C.I. Native American culture types of the southwestern region. Pueblos (Zuni, Hopi, Tewa), Apache, Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Spring.

ANT 3160 COS-ANTHRO 3(3,0) Americas Before Columbus: PR: ANT 2000 or ANT 2140, or C.I. Archaeological developments of North, Central, and South America from the hemlepipe's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmic, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: PR: Sophomore Standing. An introduction to the prehistory of Mexico. Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANT 3164 COS-ANTHRO 3(3,0) Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Spring.

ANT 3165 COS-ANTHRO 3(3,0) Archaeology of South America: PR: ANT 2000 or ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andean and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0) Maya Archaeology: PR: Sophomore Standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0) Archaeology of Sex: PR: Sophomore standing. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Spring.


ANT 3241 COS-ANTHRO 3(3,0) Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0) Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.

ARC 3503  Spring.
ARC 4323L. Methods of assembling and selecting materials; atmospheric environment and plumbing in buildings.
Environmental through case studies.
Even Fall.
ARC 4322L. Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-CAH 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.


ARE 2000 ED-CFCS 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 and Human Performance, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 CAH-SVAD 3(0,3)
Methods in Art Administration: PR: ARH 3830. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L 1(1,0)
Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4720, RÉD 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of selected art experiences. Fall, Spring. M&S fee $5.00

ARE 4351 ED-TL&L 3(3,0)
Teaching Art in the Elementary School: PR: EDF 4401 and EDF 4467. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1)
Teaching Art in the Secondary School: PR: EDF 4401 and EDF 4467. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior, senior 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(1,3)
Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2505 and ARH 250S. An introduction 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 $5.00

ARE 4453 ED-TL&L 3(3,0)
Studio Experiences in Art Education PR: Admission into the College of Education and Human Performance, Art Education Program required 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 used in the degree program a maximum of 3 times. Spring. M&S fee $5.00

ARE 5251 ED-TL&L 3(2,1)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

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 administer 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 context. Occasional.

ARH 2051 CAH-SVAD 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 17th 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 17th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0)
History of Western Art III: Painting, sculpture and architecture from the Renaissance through the 20th Century. Fall.

ARH 3471 ED-TL&L 3(3,0)
Art in the Last 25 Years: PR: ARH 2505 and ARH 250S or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0)
African Art: PR: Junior status, ARH 2505, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3610 CAH-SVAD 3(3,0)
Arts in Education: PR: ARH 2505 and ARH 250S 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.
Occasional.

These "formative activities" must be

Continuation of

Successful portfolio review. Examines the concepts of

Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Aesthetics of the printed


Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Fall, Spring.

Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring.

PR: ART 2201C and ART 3951C

Design Intensive: PR: Any 2000 level Art History. Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. Occasional.


Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interaction from a historical perspective. Occasional.


Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall. Spring. M&S fee $30.00

Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee $15.00

PR: ART 2823 and C.I. Advanced printmaking. May be repeated for credit.

PR: Junior Standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00


PR: ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee $15.00

PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a successful portfolio review. Examines the concepts of three-dimensional forms. Fall. Spring. M&S fee $45.00

Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

Advanced Ceramics: PR: ART 2300C, ART 2301C, ART 3751C, and a satisfactory portfolio review or C.I. Advanced problems in ceramic arts. A study of the singular and diverse properties of clay and glaze materials. Occasional. M&S fee $35.00

BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Must complete Studio II course for B.F.A., and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee $15.00

Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.


PR: Junior Standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring.

Art History. Drawing concepts and techniques emphasizing observation from still life and the human figure to prepare students for Sophomore portfolio review. Occasional.


PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Special effects and methods content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee $15.00

Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Special effects and methods content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee $15.00

Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring.

PR: Junior Standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00


Ceramic Handbuilding II: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

Honors Processes and Ideas in Art: PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.


PR: Admission to MFA. Students will explore web art and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society. Using an active learning approach, design an electronic interface design, and publication design. Spring.

PR: ART 2823, ART 3321C. Aesthetics of still life and the human figure to prepare students for Sophomore portfolio review. Occasional.

PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3751C, and a satisfactory portfolio review or C.I. Advanced problems in ceramic arts. A study of the singular and diverse properties of clay and glaze materials. Occasional. M&S fee $35.00

PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

on its origins in 19th century imperialism and Zionism.

ASH 4304 Occasional. History of India from decline of Mughals in late 18th century to present. 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) History of the Middle East: PR: Graduate standing or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 5423 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2013. History of the Ottoman Empire from its origins in 13th century to its collapse after WWI. Occasional.

ASH 4243 CAH-HIST 3(3,0) History of China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2013. Historical changes and continuities in experiences of Chinese women during the traditional period, the modern era and contemporary times. Occasional.

ASH 4244 CAH-HIST 3(3,0) History & Culture of South Asia: PR: WOH 2012 or C.I. History and culture of South Asia from prehistory to decline of the British Raj. Occasional.

ASH 4322 CAH-HIST 3(3,0) Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.

ASH 4323 CAH-HIST 3(3,0) The Middle Modern East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4395 CAH-HIST 3(3,0) The Rise of Modern China: PR: Junior standing or C.I. History of China from 19th and 20th centuries. Courses will examine the influence of the West on China, the rise of nationalism and the role of China in the world today. PR: WOH 2022 or C.I. Selected topics in the history of China from the rise of the Western powers in the 19th century to the present. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ASH 5327 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.
UCF Courses and Descriptions

ATR 4014C ED-CFCS 3(2,1)
Athletic Injuries: Mechanisms and Prevention:
PR: PET 3005. The prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

ATR 3012C HPA-HP 2(1,1)
Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3739C; and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $31.00

ATR 3013C HPA-HP 2(1,1)
Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3739C; and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $31.00

ATR 3102 HPA-HP 3(3,0)
Principles of Athletic Training: PR: ZOO 3733C or ZOO 3739C; PCB 3703C; and Athletic Training majors only or C.I. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Occasional.

ATR 3203C HPA-HP 3(2,1)

ATR 3204C HPA-HP 3(2,1)

ATR 3212C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall, Spring.

ATR 3312C HPA-HP 3(2,1)
Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3739C; COPHA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercises are integrated throughout the course. Fall.

ATR 3812L 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 Practicum in Athletic Training II: PR: ATR 3102L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2)
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee $34.00

ATR 4103 HPA-HP 3(3,0)

ATR 4132 ED-CFCS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Exercise Science program or Coaching Minor, ZOO 3733C or equivalent and minimum overall 2.5 GPA. Study of human movement and an 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: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

ATR 4302C HPA-HP 4(2,4)
Therapeutic Modalities in Athletic Training: PR: ATR 4213C. Principles and techniques for applying therapeutic modalities. Occasional. M&S fee $50.00

ATR 4313C HPA-HP 4(2,4)

ATR 4315C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. ATR 4313C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall. M&S fee $17.00

ATR 4512C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: ATR 3202L. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L Practicum in Athletic Training III: PR: ATR 3202L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4933 HPA-HP 1(1,0)

ATR 5144 ED-CFCS 3(3,0)
Advanced Human Injuries: PR: ATR 2010C or ATR 3303C. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)

BCH 4103L COS-CHEM 2(0,6)
Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee $70.00

BME 5572 ECS-ECE 3(3,0)
Biomedical Nanotechnology: PR: EEL 3123C or C.I. Human Physiology, Bioelectic Phenomena and Neurons, Nanoelectronics for fabrication of biocips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C COS-BIOL 3(1,2)
Culinary Botany Across the Cultures: PR: BOT 3002, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $89.50

BOT 3152C COS-BIOL 3(1,4)
Local Flora: PR: A C (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, and an introduction to the inter-relationships of plant communities with the environment and ethnobotanical significance. Weekend field trips may be required. Occasional.

BOT 3802 COS-BIOL 3(3,0)
Ethnobotany: PR: A C (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 4223C COS-BIOL 4(3,3)
Plant Anatomy: PR: BOT 3802, or C.I. A study of development, structure and function of the principal organs and tissues of vascular plants. Occasional. M&S fee $15.00

BOT 4303C COS-BIOL 5(3,6)
Plant Kingdom: PR: BOT 3802, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00

BOT 4434C COM-M&M 4(3,1)
General Mycology: PR: BSC 2010C, MCB 3023C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional. M&S fee $42.00

BOT 4503 COS-BIOL 3(3,0)
Plant Physiology: PR: A C (2.0) or better in PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4713C COS-BIOL 5(3,6)
Plant Taxonomy: PR: BOT 3802, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Occasional. M&S fee $45.00

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)
Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee $15.00

BSC 1050 COS-BIOL 3(3,0)

BSC 2010C COS-BIOL 4(3,2)
Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $24.00

BSC 2010C COS-BIOL 4(3,2)
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 3052 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 PCB 202C and BSC 201C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3403C COM-M&M 4(3,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 302C, CHM 2046. A laboratory course which introduces modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3403C COM-M&M 4(3,4) Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 302C, 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 3424 COM-M&M 3(0,3) Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2046C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3843L COS-BIOL 2(0,2) Strategies for Biology Academic Mentoring: PR: JUNIOR standing and 60 semester hours. This mentoring program will provide the opportunity for students to explore areas of biology through independent projects. Fall, Spring.

BSC 3949 COS-BIOL 0(0,8) Cooperative Education in Biology: PR: Departmental permission required before registration. Cooperative education experience in biology. Graded S/U. May be repeated. Occasional.

BSC 4312C COS-BIOL 4(3,3) Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current topics in 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(3,0) Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-4(0,3-12) Biology Laboratory Techniques: PR: CHM 2210 or C.I. Introduction to laboratory techniques. Review research methods, models and techniques of academic counseling and career advising. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 4439 COS-BIOL 3(3,0) Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful biomedical informatics tools and resources on sequence analysis. Fall.

BSC 4439 COS-BIOL 3(3,0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful biomedical informatics 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 4683, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(3,0) SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course using 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 Information major with at least 36 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively teach biological concepts by facilitating learning in a variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3) Tropics: Biogeography and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0) Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(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(0,3) Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for student to begin 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-M&M 3(3,0) Tissue Engineering: PR: Graduate standing. Introduction to Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM-M&M 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: Consent of the 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-EAHS 3(3,0) Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0) Legal and 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 contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0) Honors Legal and 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 contract law, torts, and ethical considerations with honors level content. Occasional.
CCE 4034
and structural systems, design of temporary structures, grade of "C" (2.0) or better. Construction methods for civil engineering.

ethics and labor issues. Multi-disciplinary experience in systems, construction contracts; estimating and scheduling; planning and "expert systems" symbolic role of human and evaluation of machine intelligence; machine learning computation, focusing on the theory and application of 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of

CCE 4810C
Construction Design Project: PR: CCE 4024, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better. Design 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
Mechanical and Electrical Systems for Buildings: PR: CCE 3003, PHY 2490C, CWR 2025 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006
Infrastructure Systems Management: PR: CCE 4004, 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
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
Green Design and Construction: PR: CCE 4004. Introduction of sustainable concepts as they relate to construction design and delivery. Topics include leadership in Energy and Environmental Design (LEED) categories, economic analysis, and integrated project management. Odd Spring.

CCJ 3014
Crime in America: PR: Sophomore standing and ENC 1102. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024
Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451
Justice System Research: PR: CCJ 3024. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483
Labor Relations in Criminal Justice: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 3667
Victims and the CJ System: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. The role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 4076
Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.

CCJ 4129
Crimes and Crime: PR: CCJ 3014 or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296
Death Penalty: PR: Sophomore standing and ENC 1102. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641
Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4644

CCJ 4651
Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670
Women and Crime: PR: Sophomore standing and ENC 1102. This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4677
Human Rights and Criminal Justice: PR: CCJ 3014 or C.I. In-depth analysis of human rights movement and its potential impact upon criminal law, as well as the juvenile and criminal justice system. Occasional.

CCJ 4681

CCJ 4690
Sex Offenders and the Criminal Justice System: PR: Junior standing and CCJ 3024 and CJ majors (or Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701
Research Methods in Criminal Justice: PR: Junior standing and CCJ 3014 or CCJ 3024. Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746
Data Analysis for Criminal Justice: PR: CCJ 4701 or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.

CCJ 4934
The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

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 those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

Criminal Justice Investigative Processes: 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.

Computer Logic and Organization: PR: COP 3223: CR: CT 3100C or MFR 3302 or MAD 2104. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulation), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

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.

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 data structures; automatic program restructuring. Occasional.

Geotechnical Engineering I: PR: EGN 3331, CW 3201 with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring, M&S fee $21.00

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.

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&S fee $14.00

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.

Geo-Environmental Engineering: PR: CEG 4011C. Geo-environmental applications to environmental problems, groundwater flow, soil contamination and groundwater contaminate transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

Software Development I: PR: COP 3330 or C.I. Server development concepts and introduction in the context of hands-on project implementation. SDLTC, version control, design with UML, documentation, testing, 2&3-tier architecture. Spring.

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.


Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Spring.

A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. Spring.

Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


Web Server Configuration and Maintenance: PR: CEN 3300 and approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall, Spring, M&S fee $21.00

Steel Structures: PR: CES 4100C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall, Spring.

Reinforced Concrete Structures: PR: CES 4300C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.

Structural Design: PR: CES 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete design and analysis at the member and system level. Fall, Spring, M&S fee $24.00

Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Even Fall.

Bridge Engineering: PR: CES 4605 and C.ECE 5702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications for design, and introduction to Bridge health monitoring. Occasional.

Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stress and size of connections members, laterally unsupported beams, frames, and beam columns. Occasional.

Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; plastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

Systems Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C++ programming languages. Fall, Spring.

Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary and hexadecimal number systems, logic, Boolean algebra, data structures and algorithms, computer hardware and software; the computer market; operating systems; and basics of networking. Fall, Spring.

Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, and development including techniques such as problem identification, system documentation, requirements definition for systems to be developed, user involvement, and standards; analysis for axial loads, flexure and shear. Occasional.

Applied Database I: PR: Approved programming course or C.I. Design and implementation of database systems within the concept of central administration, structured data storage. Programming project. Fall.

Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.

Applied Operating Systems I: PR: CET 2384. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

Computer and Network Security: PR: CET 2365C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.

Wide Area Networks I: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. Fall.
CET 4749 ECS-ECS 3(3,0)

CGN 3501C ECS-ECE 3(2,3)
Civil Engineering Materials: PR: EGN 3331, CHS 1440 or CHM 2045C each with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous pavements and composite materials. Fall, Spring. M&S fee $30.00

CGN 3700C ECS-ECE 4(3,2)
Civil Engineering Measurements: PR: MAC 2312 and PHY 2400C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. Spring. M&S fee $30.00

CGN 4808C ECS-ECE 3(2,2)
CECE Capstone Design: PR: "C" (2.0) or better in a minimum of 24 credits of CECE and department approval. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGS 2100C ECS-CS 3(2,1)

CGS 2545C ECS-CS 3(2,1)
Database Concepts: PR: COP 2500 or high level programming course (C, Java, C++, etc.). Entity-relationship model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

CGS 2585C ECS-CS 3(2,3)
Operating System Concepts: PR: COP 2500 or high level programming course (C, Java, C++, etc.). 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 ECS-CS 3(3,0)
Internet Applications: PR: COP 2500 or high level programming course (C, Java, C++, etc.). HTML coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to javascript. Fall, Spring.

CGS 3269 ECS-CS 3(3,0)
Computer Architecture Concepts: PR: COP 2500 or high level programming course (C, Java, C++, etc.). Computer organization, current computer architectures, network file servers. Fall, Spring.

CGS 3763 ECS-CS 3(3,0)
Operating System Concepts: PR: COP 2500 or high level programming course (C, Java, C++, etc.). System calls, concept of processes, CPU scheduling, security issues, client server design, and computer supported workgroups. Occasional.

CGS 4144 ECS-CS 3(3,0)

CGS 5131 ECS-CS 3(3,0)

CHI 1120C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to 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 CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.

CHI 1121H CAH-LANG 4(4,0)

CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0)
Chemical Concepts: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0)
General Chemistry I: PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM 2(0,6)
Cah-Langan General Chemistry: Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. This laboratory study of physical and chemical properties of elements and compounds. Important. Admission to 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 2040 COS-CHEM 3(3,0)
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $70.00

CHM 2045C COS-CHEM 4(3,1)
Chemistry Fundamentals II: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040 and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $90.00

CHM 2045C COS-CHEM 4(3,1)
Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040 and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. M&S fee $90.00

CHM 2046 COS-CHEM 3(3,0)
Chemistry Fundamentals II: PR: "C" (2.0) grade or better in CHM 2045C or CHM 204L. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Intermolecular forces, solutions and colloidal properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046C COS-CHEM 4(3,3)
Honors Chemistry Fundamentals II: PR: A "C" (2.0) or better in CHM 2045C and permission of Honors. Same as CHM 2045C and CHM 2046L with honors-level content. Spring. M&S fee $55.00

CHM 2046L COS-CHEM 10(3,0)
Chemistry Fundamentals Laboratory: PR: or CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. Important. Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

CHM 2205 COS-CHEM 5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemical of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM 3(3,0)
Organic Chemistry I: PR: A "C" (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry, structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211L COS-CHEM 2(0,6)
Organic Chemistry Laboratory: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L COS-CHEM 3(3,0)
Organic Chemistry I: PR: CHM 2210. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3120 COS-CHEM 3(3,0)
Analytical Chemistry: PR: CHM 2466, CHM 2466L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.
CHM 3120L COS-CHEM 10(3)
Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2047, CHM 2048, or PR: OR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3215L COS-CHEM 20(6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. 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. M&S fee $70.00

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411L COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3141. 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 3422 COS-CHEM 3(0,0)
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 Techniques: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, 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 spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

CHM 4220 COS-CHEM 3(0,0)
Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 4610 COS-CHEM 3(3,0)

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 11(1,1)
Undergraduate Research Methods: PR: CHM 2211 or CR: Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratory. Fall, Spring.

CHM 4930 COS-CHEM 11(0,0)
Chemistry Seminar II: PR: CHM 3120 or CR: C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall, Spring.

CHM 4931 COS-CHEM 11(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 5235 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. Odd Fall.

CHM 5305 COS-CHEM 3(3,0)
Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification of plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the industrial chemical Occasional.

CHM 5408 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 techniques, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $45.00

CHM 5580 COS-CHEM 3(3,0)

CHM 5715C COS-CHEM 3(2,3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 of equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(1,1)
Fundamentals of Chemistry for Engineers: PR: CHS 1012 or CHS 1012. Principles of chemistry, including emphasis on problem solving and engineering applications. 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 2046 L and CHM 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 and CH 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring, M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major or C.I. Procedures for recognizing, collecting, preserving, and analyzing 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, or C.I. Procedures for recognizing, collecting, preserving, and analyzing of evidence from a post bomb blasting crime scene. May be repeated for credit. Occasional.

CHS 3533 COS-CHEM 2(0,0)
Forensic Biochemistry I: PR: "C" or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of bodily fluids and the use of genetic markers to establish identity. Fall.

CHS 3533C COS-CHEM 1(0,3)
Forensic Biochemistry II: Laboratory: PR: "C" grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 1(3,1)
Fire and Debris Analysis I: PR: CHM 3120 and 4130 lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I. and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C 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(1,6)
Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4557 COS-CHEM 2(2,0)
Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1,3)
Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(0,40)
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 400 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.
CIS 4015 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering science. CJC 5042 Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CIS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or CJC 5042. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transportation, and identification of evidence. Even Spring.

CIS 5504 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or CJC 5042. History and current topics in Forensic Science. Fall.

CIS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or CJC. This course will cover the nature of Digital evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.


CIS 5105 ECS-CS 3(3,0) Capacity Planning and Performance Evaluation of Web Services: PR: COP 4600, graduate standing, and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.

CIS 5378 ECS-CS 3(3,0) Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data redirection, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. Spring.

CJC 3010 HPA-CJ 3(3,0) Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) Prisons and jails: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management. Occasional.

CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 and CJC 3011. The history of community corrections and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3010. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJ 3(3,0) Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0) Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of 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) Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.

CJE 3662 HPA-CJ 3(3,0) CJ Information Technology and Data Management: PR: Sophomore Standing and CGS 1080C 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: CJC 3014 or (Criminal Profiling or Crime Scene Investigation Certificate) and Junior Standing or C.I. 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: CJC 3024 or C.I. An examination of the role of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.


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 of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3,0) Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ 3(3,0) Justice Agency Operations: PR: CJC 3024 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ 3(3,0) Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation certificate declared) or C.I. Course acquaints students with basic Procedures used in Criminal investigation, purpose of investigations, and ingredients for successful investigations. Fall, Spring.


CJE 4654 HPA-CJ 3(3,0) Crime and Place: PR: CJC 3024 or (Crime Analysis and Crime Mapping Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. Occasional.

CJE 4663 HPA-CJ 3(3,0) Crime Mapping and Pattern Analysis: PR: CJE 3662 or C.I. Provides essential theoretical knowledge and hands-on experience mapping crime and other spatial criminal justice data and analyzing crime patterns. Occasional.

CJE 5021 HPA-CJ 3(3,0) Foundations of Law Enforcement: PR: Admission to Criminal justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. Occasional.

CJL 4564 HPA-CJ 3(3,0) Juvenile Justice System: PR: (CCJ 3024 and CJ Majors) or Victim Advocacy Certificate declared or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 3110 HPA-CJ 3(3,0) Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510 HPA-CJ 3(3,0) Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and trial court trials, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010 HPA-CJ 3(3,0) Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including crimes and crimes against the law; searches and seizures; wiretappings; and, interrogations. Occasional.

CJL 4046 HPA-CJ 3(3,0) Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.
COM 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, or C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

COM 4014 COS-COMM 3(3,0) Gender Issues in Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Fall, Spring.

COM 4416 COS-COMM 3(3,0) Terrorism and Communication: PR: One of the following: SPC 1603C, SPC 1608, COM 1000 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall, Spring.

COM 4461 COS-COMM 3(3,0) Intercultural Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. Fall, Spring.

COM 4462 COS-COMM 3(3,0) Conflict Management: PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.


COP 2500C ECS-CS 4(3,1) Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3,0) Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. Fall, Spring.

COP 3223H ECS-CS 3(3,0) Honors Introduction to Programming with C: PR: Honors standing. Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330 ECS-CS 3(3,0) Object Oriented Programming: PR: COP 3223 or EGN 3211. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3402 ECS-CS 3(3,0) Systems Software: PR: CDA 3103, COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,1) Computer Science I: PR: (COP 3223 or EGN 3211) and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0) Honors Computer Science I: PR: Permission of Honors and (COP 3223 or EGN 3211) and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Spring.

COP 3503C ECS-CS 3(3,1) Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications; and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503C ECS-CS 3(3,1) Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

COP 4020 ECS-CS 3(3,1) Programming Languages I: PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4331C ECS-CS 3(3,1) Processes for Object-Oriented Software Development: PR: COP 3502C, COT 3960 (Foundation Exam - for Computer Science students). Concepts, principles, processes and methods for developing large software systems featuring a team project using object oriented design in UML and implementation in C++. Fall, Spring.

COP 4516C ECS-CS 3(1,3) Problem Solving Techniques and Team Dynamics: PR: COP 3503C and (MAD 2104 or COT 3100C). Tools from Object-Oriented and Design Implemet solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COT 3960 for Computer Science students. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4610C ECS-CS 3(0,3) Operating Systems Laboratory: PR: COP 3503C. Exercises in the configuration, development, management and analysis of operating systems; OS kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0) Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: CNT 4603, CNT 4704C. Research into leading edge information technology trends that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 4934 ECS-CS 3(3,0) Senior Design I: PR: COP 3402, COP 3503C, Consent of Department of EECS, CR: COP 4331C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 4935 ECS-CS 3(3,0) Senior Design II: PR: COP 4934. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems and network optimization with graph theory, algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COT 4610C. Structure and function of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queueing theory, security, distributed systems, case studies. Spring.

COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.


COT 3960 ECS-CS 3(1,0) CS Foundation Exam: PR: COP 3502C AND COT 3100C. Foundation exam for computer science majors. Required before taking advanced core courses in Computer Science and upper division 3000 and 5000 level CS electives. Graded SU. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4810 ECS-CS 3(3,0) Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars. Fall, Spring.


CPO 3034 COS-POLS 3(3,0) Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.
CPO 3103 COS-POLS (3.0) Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3104 COS-POLS (3.0) Politics of Western Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS (3.0) Canadian Studies: PR: POS 2041 or C.I. A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 COS-POLS (3.0) Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403H COS-POLS (3.0) Honors Politics of the Middle East: PR: pre- Permission. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS (3.0) Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4062 COS-POLS (3.0) Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. Study of courts and judges in cross-national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.

CPO 4074 COS-POLS (3.0) Political Economy: PR: ENC 1102 or POS 2041 or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS (3.0) Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS (3.0) Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS (3.0) Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS (3.0) Comparative Political Parties: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS (3.0) Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.

CPO 4541 COS-POLS (3.0) Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China's political development since 1949. Occasional.

CPO 4553 COS-POLS (3.0) Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Occasional.

CPO 4643 COS-POLS (3.0) Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I. An examination of the origins, institutions and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS (3.0) Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic contexts. Occasional.

CPO 4754 COS-POLS (3.0) Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS (3.0) Political and Economic Inequality in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of political and economic inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS (3.0) Indigenous Politics and the Environment: PR: POS 2041 or C.I. An examination of how environmental policies specific to indigenous peoples around the world. Occasional.

CRW 3010H CAH-ENG (3.0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content, practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG (3.0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Open to non-majors. The techniques of literary genres, the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG (3.0) Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102; or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3053 CAH-ENG (3.0) Theory & Practice of Creative Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better in ENC 1102, or C.I. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.

CRW 3120 CAH-ENG (3.0) Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG (3.0) Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 or CRW 3053, or C.I. An intermediate level workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3310 CAH-ENG (3.0) Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.
UCF Courses and Descriptions

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 3003, CRW 3201, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literature, 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 3653, 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 a 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 long a group to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG
3(3,0)
Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. 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 5301 ECS-CECE
3(3,0)
Engineering Fluid Mechanics: PR: MAP 2302, EGN 3210 and a grade of "C" (2.0) or better; or C.I. EGN 3211. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CRW 4632C ECS-CECE
4(3,2)
Water Resources Engineering I: PR: STA 3003 and CRW 3201 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications. Introduction of analysis of surface water systems, design of hydraulic structures, and stormwater management. Fall, Spring. M&S fee $21.00

CRW 4633C ECS-CECE
3(3,2)
Water Resources Engineering II: PR: CRW 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring.

CRW 4812C ECS-CECE
3(2,2)
Water Resources Design: PR: CRW 4632C with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00

CRW 5152 ECS-CECE
3(3,0)
Groundwater Hydrology: PR: CRW 4633C or C.I. Theories of groundwater movement, geological factors, analyses changes in techniques, etc. Emphasis on practical considerations. Occasional.

CRW 5205 ECS-CECE
3(3,0)
DIG 2000 CAH-SVAD (3,0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. An introduction to history, principles, and processes associated with digital media and design for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-SVAD (3,2)

DIG 2109C CAH-SVAD (3,2)

DIG 2500C CAH-SVAD (3,2)

DIG 2821 CAH-SVAD (3,0)
Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical techniques to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3003 CAH-SVAD (3,0)
Adventures in Emerging Media: PR: ENC 1101. Examines the rules and culture of emerging media. The course is represented online and is nonlinear "choose your own adventure" format. Occasional.

DIG 3024 CAH-SVAD (3,0)

DIG 3035 CAH-SVAD (1,10)
Digital Media in the Workplace: PR: ENC 1102. Workshop will prepare students for Digital Media Practice. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3043 CAH-SVAD (3,0)
Evolution of Video Games: PR: ENC 1101. Evolution of video games since the first game in the early 1950s to contemporary games. Fall, Spring.

DIG 3134 CAH-SVAD (3,0)

DIG 3153 CAH-SVAD (3,0)
Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3171 CAH-SVAD (3,0)
Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and techniques, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD (3,2)
Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD (3,2)
Artificial Environments and Effects: PR: DIG 2109C and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.

DIG 3362C CAH-SVAD (3,2,2)
Artificial Characters: PR: DIG 2109C and C.I. CR: DIG 3951. Production of techniques and techniques for design and implementation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.

DIG 3433C CAH-SVAD (3,2)

DIG 3450 CAH-SVAD (3,0)
Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD (3,0)
Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. Occasional.

DIG 3480C CAH-SVAD (3,2)

DIG 3525 CAH-SVAD (3,0)
Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics, and design tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-SVAD (3,2)

DIG 3563 CAH-SVAD (3,0)
Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD (3,2)
Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design and styling markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD (3,0)
User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD (0,0)

DIG 4010C CAH-SVAD (3,2)
Web Design Workshop: PR: DIG 3134C, DIG 3176C, DIG 3951, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4204C CAH-SVAD (3,2)

DIG 4206C CAH-SVAD (3,14)
New Imagery in Motion Workshop: PR: DIG 3425C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D, data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD (3,14)
Modeling for Visual Language: PR: DIG 4451C. Successful portfolio review, or C.I. Application of techniques to models, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-SVAD (3,2)

DIG 4325C CAH-SVAD (3,14)

DIG 4326C CAH-SVAD (3,14)
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 (3,14)
Advanced 3D Animation: PR: DIG 4325C, successful portfolio review, or C.I. Techniques and theories developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD (3,14)
Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4380C CAH-SVAD (3,14)
Character Animation Workshop: PR: DIG 3920C 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 (3,14)
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 (3,14)
Motion Graphics: Advanced Compositing: PR: DIG 4355C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and composting to create motion graphics. Manipulate and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. Spring.

DIG 4395 CAH-SVAD (3,0)
Motion Capture for Performance: PR: MAC 1105C, and DIG 3480C or TPA 2201. or C.I. Develop creative skills, learn theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD (3,14)

DIG 4451C CAH-SVAD (3,14)
Visual Storytelling and Visual Development Workshop: PR: DIG 3455C 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 (3,0)
Interactive Performance II: PR: DIG 3455C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.
DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0) Rapid Application Development: PR: DIG 3341 and DIG 3719C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. Spring.

DIG 4522 CAH-SVAD 3(3,0) Digital Media Service: PR: DIG 3035, Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0) Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management of design and production of multimedia 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 practice to e-commerce, internet security, and online ports. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4539C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.


DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of server-side 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 3525C. Ways to apply diverse skills of film making to digital media, non-linear storytelling, 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, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2) Casual Game Production: PR: DIG 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 4725C, FIL 3120C, and DIG 4713. 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 4785C CAH-SVAD 3(3,0) Converging Media Capstone: PR: EGB 3001 and 12 hours of restricted electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototype, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $45.00

DIG 5045C CAH-SVAD 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-SVAD 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 normalizing 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 program or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded SU. Fall, Spring.

DIG 5487 CAH-SVAD 3(3,0) Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognition of imagery. Fall.

DIG 5529C CAH-SVAD 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-SVAD 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media Interactive Entertainment. Interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C CAH-SVAD 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 5876 CAH-SVAD 3(3,0) Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing and C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation application to science. Spring.

DIG 5950 CAH-SVAD 3(3,0) Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graded SU. Fall, Spring.

DSC 4012 HPA-CJ 3(3,0) Terrorism: PR: Sophomore Standing and ENC 1102. An examination of the theories of terrorist behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Fall.

DSC 5013 HPA-CJ 3(3,0) Terrorism and Intelligence: PR: Sophomore standing and ENC 1102. Analysis of homeland security and safety in contemporary society and government. Occasional.

EAB 3703C COS-PSYCH 4(3,2) Principles of Behavior Modification: PR: PSY 3012. 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. Continued examination of the principles of behavior analysis and their applications, 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 EPS 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 ECS-MEC/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 2048C; CR: EGN 3323. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airflow theory, external and internal flows, airplane performance. Fall.

EAS 3011 ECS-MEC/AERO 3(3,0) Fundamentals of Aerodynamics: PR: EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.


UCF Courses and Descriptions

ECO 4934 BA-ECON 3(3,0) Topics in Econometrics: PR: ECO 4412. Emphasis on international topics in linear and nonlinear econometric models. Spring.

ECO 4941 BA-ECON 3(3,0) Economics 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. Grade: S/U. Fall, Spring.

ECO 5805 BA-ECON 3(3,0) Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. Occasional.

ECP 3004 BA-ECON 3(3,0) Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. Occasional.

ECP 3006 BA-ECON 3(3,0) Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sport facilities, and sports in the not-for-profit sector. Fall.

ECP 3203 BA-ECON 3(3,0) Labor Economics: PR: ECO 3101 or ECO 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.


ECP 4303 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0) Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECP 4503 BA-ECON 3(3,0) Health Economics: PR: ECO 3101. Analysis of the market for health and the derived market for health care using intermediate micro-economic modeling. Fall.

ECP 4703 BA-ECON 3(3,0) Managerial Economics: PR: ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Not open to Economics majors. Spring.


ECT 3062 ED-E&HS 3(3,0) Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introduction into career and technical education teaching and the transition from industry to education. Occasional.

EFD 3061 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EFD 4466 ED-EHSS 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom assessment skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EFD 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2005, and EME 2040, 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/conceptual debate. Fifteen hour in-school experience required. Even Fall.


EFD 4603H ED-TL&L 3(3,0) 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, Spring.

EFD 5245 ED-TL&L 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EFD 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and Applications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C EDF 3(3,0) Foundations of Leadership: PR: LEAD Scholarship Program. Seminar for LEAD Scholars in the College of Education and Human Performance providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0) 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(3,0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2005, 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(0-1,8) 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(3,0) Service Learning: PR: PST 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(3,0) International Education Field Experiences: PR: Junior standing and C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3,0) Instructional Coaching: PR: Graduate standing of C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. Occasional.

EDG 5745 ED-TL&L 3(3,0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction 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-MECHIAERO 1(1,0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TL&L 3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of a pre-professional candidate. Fall, Spring.

ECC 2732 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection, promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECC 3008 ED-CFCS 3(3,0) Early Childhood Children's Literature: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 7000, EEC 4661, RED 3310, and PET 4050C. A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. Spring.

ECC 3214 ED-CFCS 3(3,0) Early Childhood Education Learning Environment & Strategies: PR: Admission to the program and completion of Early Childhood Development and Education Program (Track 3). Formal and informal evaluation of tools and techniques for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall, Spring.

ECC 4038 ED-TL&L 3(3,0) Learning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

ECC 4211 ED-CFCS 3(3,0) Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4305, and EEC 4528. Formal and informal evaluation of tools and techniques for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall, Spring.

ECC 4565 ED-TL&L 3(3,0) Child Development and Education Program: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4305, and EEC 4528. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. Spring.

ECC 4602 ED-CFCS 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECC 4614 ED-CFCS 3(3,0) Parent-Child Relations: PR: EEC 3700, EEC 4661; RED 3310, EEX 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.

ECC 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: Provides students with management and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EDF 4258 ED-CFCS 3(3,0) Infant/Toddler Care and Education: Provides the knowledge and skills that the student must have in order to become a competent worker with very young children and their families. Occasional.

UCF Courses and Descriptions

ECE 4661 EDCFCS 3(3,0) Early Childhood Education Theory and Practice: PR: Admission to the Early Childhood Program. Study of early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall, Spring.

ECE 4744 EDCFCS 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700. 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.


ECE 4940 EDCFCS 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.

ECE 4942 EDCFCS 9(0,9) Practicum: Early Childhood Careers: PR: Admission into the Early Childhood Development and Education Program (Track 3). EEC 4214, EEC 4200, 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.

ECE 4943 EDCFCS 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.

ECE 5205 EDCFCS 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.

ECE 5206 EDCFCS 3(3,0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization of instruction and related activity areas in language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition K-3. Concurrent laboratory experiences. Spring.

ECE 5208 EDCFCS 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.

ECE 5745 EDCFCS 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 health settings. Odd Spring.

ECE 3307C ECS-ECE 4(3,3) Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00.

ECE 3342C ECS-ECE 3(3,0) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. Combina-tional and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and devices with programmable logic devices. Fall, Spring. M&S fee $9.00.

ECE 3350 ECS-ECE 3(3,0) Semiconductor Devices I: PR: EEL 3004C and PHY 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

ECE 4309C ECS-ECE 4(3,3) Electronics II: PR: EEE 3307C, EEE 3324C, Ideal Op-Amps and applications. Introduction to Logic Circuits: Bipolar, MOS and CMOS devices; Flip-flops and memory cells; comparators and timing circuits; A/D and D/A converters. Fall, Spring. M&S fee $20.00.


ECE 4463 ECS-ECE 3(3,0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

ECE 5332C ECS-ECE 3(2,1) Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00.

ECE 5352 ECS-ECE 3(3,0) Semiconductor Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Occasional.

ECE 5535 ECS-ECE 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEE 5350 or C.I. Electron and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithms, and SPICE simulation are included. Spring.

ECE 5556C ECS-ECE 4(3,3) 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.


ECE 5578 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4300C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

ECE 5590 ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom and semi-custom design, industrial CAD tools; simulation; verification. Spring.


ECE 5542 ECS-ECE 3(3,0) Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.

ECE 5555 ECS-ECE 3(3,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. 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.


EEL 3004C ECS-ECE 3(3,2) 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, transients, 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, transients, 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, distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE or CPE majors. Fall, Spring.

EEL 3123C ECS-ECE 4(3,1) 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) Electromagnetic Fields: PR: EEL 3004C. Electric and magnetic fields and electromagnetic waves. Fall, Spring.


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 4050L ECS-ECE 1(0,3) ECEC Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.


EEL 4205 ECS-ECE 3(3,0) Electric Machinery: PR: EEL 3004C. Fundamentals of DC and AC electric machines. Occasional.
UFC Courses and Descriptions


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), 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, Bayes 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 process centered 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 C.I. An 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: COP 4310C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.


EEL 5936 ECS-ECE 0(1.0) Current Topics in ECE: PR: Open to all ECE graduate students. Lectures presented by ECE and guest lectures will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EES 4111C ECS-CFCS 3(2,3) Biological Process Control: PR: ENV 3001 with a grade of C- (2.0) or better. CR: ENV 4533. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee $52.00.

EES 4202C ECS-CFCS 4(3,3) Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of C- (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00.

EES 5318 ECS-CFCS 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-CFCS 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-CFCS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 3(3,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3221 ED-CFCS 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EEX 3241 ED-CFCS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children with disabilities and special needs. Must be taken before Internship I. Fall, Spring.

EEX 3243 ED-CFCS 3(1,1) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

EEX 3450 ED-CFCS 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942 ED-CFCS 3(3,0) Internship I Exceptional Education: PR: EEX 4110, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EEX 4054 ED-CFCS 2(2,0) Application and Theories for Students with Special Needs: PR: EEX 3010 and C.I. (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.

EEX 4066 ED-CFCS 3(3,0) Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LEE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


EEX 4242 ED-CFCS 3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EDF 2085. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EEX 4601 ED-CFCS 3(3,0) Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCS 3(3,0) Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EEX 4753 ED-CFCS 3(3,0) Parent/professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4993 ED-CFCS 3(3,0) Exceptional Care: PR: Junior Standing or C.I. General knowledge and best practice in the field of exceptional care: the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EEX 4973 ED-CFCS 3(3,0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LEE 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 the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EEX 5034 ED-CFCS 3(3,0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational programs, 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: PR: Senior standing or C.I. Planning curriculum: 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.

EGM 3601 ED-CFCS 3(3,0) ESMech/MECH/AERO 3(3,0) Mechanics I: PR: EGN 3010 and C.I. (2.0) or better in the following MAC 2311, 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.

EGM 3601L ED-CFCS 2(0,3) ESMech/MECH/AERO 2(0,3) Solid Mechanics Lab: PR: EGM 3601. Solid Mechanics Laboratory experiments covering topics such as stress and strain, deformation, strain, Hooke’s Law, stress-strain diagrams, stress analysis, and deformations. Fall.

EGN 1006C ECS-ECS 1(1,2) Introduction to the Engineering Profession: PR: New students status or C.I. Overview of engineering and professional requirements in various engineering disciplines. Fall.

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: EGN 1006C New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. Spring.

EGN 1036C ECS-ECS 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.

EGN 2301S ECS-ECS 2(1,1) Fall Colloquium: PR: LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1015C, EGN 1035C, EDG 1056C or HSC 1931C. 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 3310 ECS-CECE 3(3,0)
Engineering Analysis-Statics: PR: MAC 2311C, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CECE 3(3,0)
Honors Engineering Analysis-Statics: PR: Permission of Honors and MAC 2311C, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors consent. Fall, Spring.

EGN 3321 ECS-MECH/AERO 3(3,0)
Engineering Analysis Dynamics: PR: EGN 3310, CR: MAC 2313. Kinematics and kinetics 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 EGN 3310, CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CECE 3(3,0)
Mechanics of Materials: PR: EGN 3310 with a grade of "C" (2.0) or better; CR: MAC 2312. Engineering evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. Fall.

EGN 3335 ECS-MECH/AERO 3(3,0)
Thermodynamics: PR: Honors status; CR: EGN 3321 or EGN 3321H or EML 3217, & MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. Fall, Spring.

EGN 3343 ECS-MECH/AERO 3(3,0)
Introduction to Robotics: PR: COP 3223 or EGN 3321, and EEL 3955 or EEL 4742C or COP 3503C or EGN 3321 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.

EGN 4412C ECS-MECH/AERO 3(1,5)

EGN 4413C ECS-MECH/AERO 3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Completion of interdisciplinary design I may be repeated for credit. Spring.

EGN 4624 ECS-IEEMS 3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. Fall, Spring.

EGN 4641C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing, EGB 4512, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

EGN 4706C ECS-MECH/AERO 3(2,4)
Small Satellite Payloads and Integration: PR: EML 3303C OR EAS 3800C OR EEL 3801C OR ESI 4523C. 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 4707C ECS-MECH/AERO 3(2,4)
Processing Space-Lauch Systems: PR: For ECE: EEL 3552C or EEL 4742C; For IEMS: ESI 4523C; For IAE: EAS 3800C. Assembly and test techniques for preparing and checking-out of the space-launch system "inertial Upper Stage." May be repeated for credit. Occasional.

EGN 4824 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.

EGN 4931H ECS-ECS 3(3,0)
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of Engineering students in engineering practice. Introduces to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C ECS-ECS 1(1,1)
Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, life long learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 4934C ECS-ECS 2(1,2)
Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EGN 5720 ECS-IEEMS 3(3,2)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters such as combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring.

EGN 5840 ECS-MECH/AERO 3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Lockhead 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.

EGN 5858C ECS-IEEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00.

EIN 2002 ECS-ECS 1(1,0)
Introduction to Industrial Engineering and Management Systems: PR: Sophomore standing and Industrial Engineering status. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-ECS 3(3,0)
Work Analysis and Design: PR: STA 3024 and C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3351 ECS-ECS 3(3,0)

EIN 3354 ECS-ECS 3(3,0)
Principles of Cost Engineering: PR: EGN 3513. 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-ECS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or Senior standing in engineering. With C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-ECS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.
UCF Courses and Descriptions

EIN 4214 ECS-IEMS 3(3,0) Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.

EIN 4243C ECS-IEMS 3(2,2) Human Engineering: PR: STA 3032 or C.I. Man-machine systems; design and conduct of human engineering studies. Summer.

EIN 4333 ECS-IEMS 3(3,0) Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operating schedules, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-IEMS 3(3,0) Facilities Planning: PR: EIN 3314, EIN 3351. Planning and design of production systems including interrelationships between process layouts, material handling, warehouses and site selection. Spring.

EIN 4391 ECS-IEMS 3(3,0) Manufacturing Engineering II: PR: CHS 1440 or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4455 ECS-IEMS 3(3,0) Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS 3(2,2) Systems Analysis and Design: PR: ESI 4525C, EIN 4264 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall.

EIN 4517 ECS-IEMS 3(3,0) Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545 ECS-IEMS 3(3,0) Industrial Engineering Applications in The Service Industry: PR: EIN 4512C, ESI 4323C and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Spring.


EIN 4891C ECS-IEMS 3(2,3) Industrial Engineering Senior Design Project: PR: EIN 4512C, ESI 4523C and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 5108 ECS-IEMS 3(3,0) The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and interaction into the principles and processes to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 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 3(2,2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-IEMS 3(3,0) Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation techniques; and field study approaches. Occasional.

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, Spring.

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. Fall.

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 5356 ECS-IEMS 3(3,0) Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

EIN 5388 ECS-IEMS 3(3,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Fall, Spring.

EIN 5392C ECS-IEMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4930C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring.


EMA 3012C ECS-MSE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGM 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee $45.00

EMA 3014 ECS-MSE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanostructures, nanocoatings, corrosion, magnets, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MSE 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of engineering materials and their selection in engineering design. Fall.

EMA 3601 ECS-MSE 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C and EGM 3365. Nanomaterials, processing, nanomachining, nanocomposites, nanocomposites and deposition of devices. Occasional.

EMA 3706 ECS-MSE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, design. Fall.

EMA 4102 ECS-MSE 3(3,0) Thermodynamics and Materials: PR: EGM 3343, EGM 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 4503 ECS-MSE 3(3,0) Materials Characterization Techniques: PR: EMA 3012C, and EGM 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MSE 3(3,0) Emerging Materials: PR: EGM 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.

EMA 5060 ECS-MSE 3(3,0) Polymer Science and Engineering: PR: EGM 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMA 5018 ECS-MSE 3(3,0) Surface Science: PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on the development of vacuum spectroscopy methods of utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MSE 3(3,0) Introduction to Ceramic Materials: PR: EGM 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EME 5326  ECS-MSE 3(3,0)  Corrosion Science and Engineering: PR: EGN 3343 or EML 3217. This course will cover: electrochemical principles and applications to detecting and monitoring corrosion processes. Various forms of corrosion, their causes and control. Techniques of corrosion protection. Occasional.

EMA 5415  ECS-MSE 3(3,0)  Electronic Principles of Materials Properties: PR: EML 3001 or C.I. This course will cover: electronic theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EME 5504  ECS-MSE 3(2,2)  Modern Characterization of Materials: PR: EMA 5304 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and x-ray microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EME 5505  ECS-MSE 3(2,2)  Scanning Electron Microscopy: PR: EMA 504 or C.I. A review of electron optics, beamspecimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.


EME 5505  ECS-MSE 3(3,0)  Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EML 5506  ECS-MSE 3(3,0)  Photovoltaic Solar Energy Materials: PR: EEM 3365. Materials properties basic to photovoltaics, structures, homogeneity, heterogeneity, and surface barrier solar cells, AMPS-2D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EME 5508  ECS-MSE 3(3,0)  Biocompatibility of Materials: PR: EGM 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineered bone and cartilage; scaffold replacements; total hip replacements; nanomaterials, image techniques, preservation techniques for biomaterials, MSDS and FAA compatibility data. Occasional.


EMA 5705  ECS-MSE 3(3,0)  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, aeroderivative gas turbine requirements. Occasional.

EME 5204  ECS-ME 3(3,0)  Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

EME 5204L  ED-E&HS 3(3,0)  Introduction to Applications of Technology in Education: An introduction to the technical applications of instructional media including computers. Occasional.

EME 4312  ED-E&HS 3(3,0)  Applications of Technology in Education: Classroom applications and instruction using personal computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050  ED-E&HS 3(3,0)  Fundamentals of Technology for Educators: PR: Freshman or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5051  ED-E&HS 3(3,0)  Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technology. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053  ED-E&HS 3(3,0)  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.

EME 5208  ED-E&HS 3(3,0)  Production Techniques for Instructional Settings: PR: ED Media Program. C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.

EME 5225  ED-E&HS 3(1,0)  Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 3001C  ECS-ME/AERO 1(1,2)  Machine Shop Practice: PR: EGM 3601, EGN 3365 or EMA 3706. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. Occasional. M&S fee $29.00

EML 3034C  ECS-ME/AERO 3(3,1)  Modeling Methods in Mechanical and Aerospace Engineering: PR: “C” (2.0) or better in all of the following: EEM 2111, MAC 2311, MAC 2312, MAP 2302 and PHY 2048C. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3990  ECS-ME/AERO 3(3,0)  Mechanical Career and Academic Faculty Advising 1: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EML 4024C  ECS-ME/AERO 3(2,2)  Design Engineering and Design Professor. PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project-oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.


EML 4143  ECS-ME/AERO 3(3,0)  Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, multi-dimensional convection, transient convection, convection heat transfer, participating medium, boiling and condensation. Fall.


EML 4221C  ECS-ME/AERO 2(1,2)  Mechanical Systems Experimental Techniques: PR: EML 3701, EGM 3800C. CR: EML 4220 or EAS 4210. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation. Emphasis on the development of competence in designing and conducting tests, analysis and interpreting engineering data. Occasional. M&S fee $35.00

EML 4225  ECS-ME/AERO 3(3,0)  Introduction to Vibrations and Controls: PR: EML 3701, EGM 3601, EML 3034C, EGN 3773. Free and forced vibration of multi degree of freedom systems, natural modes; open vs closed loop control, time and frequency domain design of control systems. Fall, Spring.
ENC 1101 H CAH-WRITE (3.0)
Honors Freshman Composition I: PR: Score of 600 or better on SAT Critical Reading or 27 or better on ACT English. C 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)
Composition II: PR: ENC 1101 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 this course. Fall, Spring.

ENC 1102H CAH-WRITE (3.0)
Honors Freshman Composition II: PR: ENC 1101H 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 this course. Fall, Spring.

ENC 1130 CAH-WRITE (3.0)
Improving College-Level Writing: Entry-level writing course designed to prepare students to read and write effectively at the college level. Fall.

ENC 2127 CAH-ENG (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 (3.0)
Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our world as individuals and as a society; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG (3.0)
Theory and Practice of Technical Writing: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. and permission of Honors. Study of technology's impact on the evolution of its theoretical, pedagogical and civic tradition. Even Spring.

ENC 3331 CAH-WRITE (3.0)
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)
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)
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. Occasional.

ENC 3351H CAH-WRITE (3.0)
Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article 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 3372 CAH-WRITE (3.0)
Topics in Civic Rhetoric and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373 CAH-WRITE (3.0)
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)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better required in ENC 1102. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE (3.0)
Literacy and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology's impact on writing and language, focus on new media. Spring.

ENC 3433 CAH-WRITE (3.0)
Multimedia Writing and Composition: PR: "C" (2.0) or better in ENC 1102. C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.
ENC 3454 CAH-WRITE 3(3,0) Topics in Professional and Digital Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE 3(3,0) Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and development for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE 3(3,0) Honors Writing About Science and Technology: PR: Consent of Honors. Writing about science and technology for non-scientific audiences, including laypeople and policymakers. With Honors content. Occasional.

ENC 3456H CAH-WRITE 3(3,0) Honors Writing About Health and Medicine: PR: Consent of Honors. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. With Honors content. Occasional.

ENC 3473 CAH-WRITE 3(3,0) Writing in 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 topics 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 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 nonprofit contexts. Even Fall.

ENC 4215 CAH-ENG 3(3,0) Technical Publication and Project Management: PR: Grade of "C" (2.0) or better in ENC 3211 or ENC 3241 or C.I. New 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.
ENG 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Survey of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENG 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(0,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literature Study: PR: ENC 1102 or C.I. Exploration of writing markets and techniques required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0)
Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. Theoretical and cultural developments over time that can be useful for broadening the applications of literary analysis to produce “cultural studies.” Occasional.

ENG 3612 CAH-ENG 3(3,0)
Trends in Literary, Cultural, and Text Studies: PR: Grade of “C” (2.0) or better in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENG 3817 CAH-ENG 3(3,0)
Digital Archives: PR: Grade of “C” (2.0) or better required in ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 3833 CAH-WRITE 3(3,0)
Marketing Your Writing: PR: “C” (2.0) or better in ENC 1102 or C.I. Exploration of writing markets and publishing opportunities therein, the submission process, and author marketing and negotiation strategies. Spring.

ENG 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG 3(3,0)

ENG 5009 CAH-ENG 3(3,0)
Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, literary and systematic approaches to research at the graduate level in language and literature. Fall.

ENL 2012 CAH-ENG 3(3,0)
English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Bloom to 1789. Fall, Spring.

ENL 2022 CAH-ENG 3(3,0)
English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.
ENV 5505  ECS-CECE  3(3,0)

ENV 5517  ECS-CECE  3(3,0)
Engineering Chemical and Biological Processes: CR: EN 456L or equivalent. Of C.I. Coverage of biophysical chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemical as applied to activated sludge system design. 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 resources systems with the emphasis on cost-effectiveness, pollution prevention, and extensibility to aid in environmental engineering decision-making. Occasional.

ENY 4004C  COS-BIOL  4(2,6)

ENY 5006C  COS-BIOL  4(2,6)
Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology, and population biology of insects. Occasional. M&S fee $40.00.

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 3940  ED-TL&L  3-16(0,3-16)

ESE 4942  ED-TL&L  1(1,0)
Internship II Seminar: PR: Internship I in the specific discipline: CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943  ED-TL&L  7-12(0,3-5)

ESE 5214  ED-TL&L  3(3,0)

ESI 4221  ECS-IEMS  3(3,0)

ESI 4234  ECS-IEMS  3(3,0)
Quality Engineering: PR: STA 3022. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312  ECS-IEMS  3(3,0)
Operations Research: PR: STA 3032 and MAS 3105. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. Fall.

ESI 4321  ECS-IEMS  3(3,0)
Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523C  ECS-IEMS  3(2,3)
Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4626C  ECS-IEMS  3(2,3)

ESI 5219  ECS-IEMS  3(2,3)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. Fall, Spring.

ESI 5227  ECS-IEMS  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 cases study. Odd Fall.

ESI 5236  ECS-IEMS  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 (DOE), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306  ECS-IEMS  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-IEMS  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-IEMS  3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5501. Coverage of linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practices or analyzing. Odd Fall.

ESI 5551  ECS-IEMS  3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

ETI 3116  ECS-ECS  3(3,0)

ETI 3871  ECS-ECS  3(3,0)

ETI 4186  ECS-ECS  3(3,0)
Applied Reliability: PR: ETI 1116. Practical application of reliability concepts 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 nonprofit organizations. Spring.

ETI 4635  ECS-ECS  3(3,0)
Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640  ECS-ECS  3(3,0)
Operations Management and Technologists: PR: ETI 4635. Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

EUH 2000  CAH-HIST  3(1,2)
Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.

EUH 2000H  CAH-HIST  3(1,2)

EUH 2001  CAH-HIST  3(1,2)
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.

EUH 2001H  CAH-HIST  3(1,2)

EUH 3122  CAH-HIST  3(3,0)

EUH 3124  CAH-HIST  3(3,0)
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

EUH 3142  CAH-HIST  3(3,0)
Renaissance and Reformation: PR: EUH 2000 and C.I. Influence of art on the medieval period on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Occasional.

EUH 3180  CAH-HIST  3(3,0)

EUH 3235  CAH-HIST  3(3,0)
Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and his influence on revolutionary art, literature, and politics; concepts of an "atural" society and culture in medieval Europe. Occasional.

EUH 3242  CAH-HIST  3(3,0)
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUH 3281  CAH-HIST  3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler's "New Order"; and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of Eastern Europe; Western reconstruction, and prosperity. Occasional.

EUH 3411  CAH-HIST  3(3,0)

EUH 3431  CAH-HIST  3(3,0)
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-WWII era. Occasional.
Historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0)

Film Screenwriting: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0)

Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0)

Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0)

Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00

FIL 2030 CAH-FILM 3(2,2)

History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall, Spring.

FIL 2030 CAH-FILM 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 2923 CAH-FILM 3(3,0)

Cinematography I: PR: FIL 1007, FIL 1100, and FIL 3427C. Concepts and tools of cinematography and lighting. Fall. M&S fee $5.00

FIL 2924 CAH-FILM 3(3,0)


FIL 2924 CAH-FILM 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-FILM 3(3,0)

Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-FILM 3(3,0)

Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall. Spring.

FIL 3035C CAH-FILM 3(3,1)

Film Histories II: 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 3820 CAH-LANG (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 (3,0) French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG (3,0) German Film: Pr: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3824 CAH-FILM (3,0) Italian Neo-Realist Cinema: Pr: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM (3,0) American Cinema: Pr: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and films designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.


FIL 3841 CAH-FILM (3,0) French New Wave Cinema: Pr: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Resnais, Bresson, Godard, Rohmer, Resnais, Rivette. Occasional.

FIL 3842 CAH-FILM (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-FILM (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-FILM (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-FILM (3,0) Cinema Directors: Pr: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM (3,0) Cinema Criticism Writing: Pr: FIL 3036 or FIL 3037 and ENC 1102. FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM (3,0) The Shot, Framing, Point of View: Pr: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3861C CAH-FILM (3,0) Film and Photography: Pr: FIL 3076C. Historical and Cultural relationship between photography and film. Occasional.
FIL 4647 CAH-FILM 3(3,0)
Film Production Management: PR: ENC 1102 and Junior Standing, or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-FILM 3(3,0)
The Film Producer: PR: FIL 2423 of 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 classical film. Spring.

FIL 4735C CAH-SVAD 3(2,4)
Advanced Animation: PR: "C" or better in FIL 3747C 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-FILM 3(3,1)
Film and Digitalization: PR: FIL 3055C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-FILM 3(2,4)
Animation Workshop: PR: Animation major. 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-FILM 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 4832H 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.

FIL 4863C CAH-FILM 3(3,1)
Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-FILM 3(3,1)
Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-FILM 3(3,1)
Current Problems in Film Theory: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film theory. Occasional.

FIL 4937C CAH-FILM 3(3,1)
Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master’s program or C.I. Traditional forms of visual storytelling emerging from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIL 5406 CAH-FILM 3(3,0)
Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-FILM 3(3,0)
Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when financial demands come into conflict with creative vision, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-FILM 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media/Entire Dig Cin track, or C.I. Development of an existing, original screenplay to fit the production demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to MFA Film and Digital Media graduate program or C.I. Research methodology for the study of production and film and new media. Spring.

FIL 5853 CAH-FILM 3(3,0)
Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entire Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-FILM 3(3,0)
Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of influential theories that relate to the practice of filmmaking. Fall.

FIL 5924 CAH-FILM 1(1,0)
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded SU. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403C BA-FIN 3(3,0)
Business Finance: PR: Junior standing, ACGB 2021 and ECO 2023, each with a "C" (2.0) or better. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. Occasional.

FIN 4144 BA-FIN 3(3,0)
Intermediate Corporate Finance: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minor which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 4361 BA-FIN 3(3,0)
Financial Statement Analysis: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. A survey of income statements, balance sheet, cash flow statements, and ratios. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0)
Management of Financial Institutions: PR: FIN 3305 and FIN 3403C, each with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0)
Commercial Bank Management: PR: FIN 3303 with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of the intersections of commercial banking policy and regulation with the theory and practice of engineering approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0)
Advanced Topics in Financial Management: PR: FIN 3414 with a "C" (2.0) or better; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0)
Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3545, each with a "C" (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4571 BA-FIN 3(3,0)
Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3545, each with a "C" (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0)
Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3545, each with a "C" (2.0) or better; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1)
Applied Portfolio Management 1: PR: Finance major, FIN 3403C and FIN 3545, 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(3,1)
Applied Portfolio Management 2: 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 3403C with a "C" (2.0) or better; 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 3403C and FIN 3303, each with a "C" (2.0) or better; CR: FIN 3414, 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 4735 BA-FIN 3(3,0)
Senior Financial Consulting II: PR: Finance major, FIN 4730 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.
FRE 3410 CAH-LANG 3(3,0)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

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 Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0)

FRE 3441 CAH-LANG 3(3,0)

FRE 3760 CAH-LANG 3(3,0)
Advanced French Oral Communication: PR: FRE 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. Spring.

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0)
Advanced French Composition: PR: FREF 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stones. Spring.

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 4502 CAH-LANG 2(2,0)
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(2,0)
Advanced French Phonetics and Diction: PR: 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.

FRT 3140 CAH-LANG 3(3,0)
French and Francophone Literary Works 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 French and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0)
French Medieval Literature and Culture: PR: FRT 3562. 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 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 readings 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 3310 or FRW 3311 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Maupassant, Malraux and Sarrute. Occasional.

FRW 4310 CAH-LANG 3(3,0)

FRW 4324 CAH-LANG 3(3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3310 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Cuitaudoux, Ionesco, and Sartre; 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 4532 CAH-LANG 3(3,0)

FRW 4820 CAH-LANG 3(3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2221C RCMH-FOOD&LODG 4(3,3)
Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation and menu development. Fall, Spring. M&S fee $70.00

FSS 2284C RCMH-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 ordering and off-premise catering events. Fall, Spring. M&S fee $70.00

FSS 3008 RCMH-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 fee $35.00

FSS 3124 RCMH-FOOD&LODG 3(3,0)
Supply and Procurement Management: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and beverage products in the hospitality industry. Fall, Spring. M&S fee $45.00

FSS 3232C RCMH-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 pantry, gardémanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00

FSS 4135 RCMH-FOOD&LODG 3(3,0)
Corporate Contract and Managed Services Organizations: PR: HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCMH-FOOD&LODG 3(3,1)
Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00

GEA 4405 CAH-LAS 3(3,0)
Geography of Latin America: PR: ENC 1102 or C.J. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 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 2350 BA-MAR 3(3,0)
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 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-MAN 1(0,2)
Cornerstone: Business Professional Skills for Business: PR: MBA major/minor or approved major/minor CR: GEB 3031L. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3113 BA-MAN 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 4(4,0)
Introduction to International Business: PR: Junior standing and ACG 2011, ECO 2013 and ECO 2025, 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 4(4,0)
Honors Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2011, ECO 2013, and ECO 2025, 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 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: MAN 4802. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. Fall, Spring.

GEB 4152 BA-MAN 3(3,0)

GEB 4361 BA-FIN 3(3,0)
Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAR 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-MAN 3(3,0)

GEB 4824 BA-BUS 3(3,0)
Business Law in Sport & Entertainment: PR: SBP 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. Understanding the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.

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.

GER 5941 BA-BUS 1.5(1.5)
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is open 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, vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 COS-POLS 3(3,0)
Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0)
World Political Geography: PR: ENC 1102 or POS 2041 or C.J. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GGER 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.

GGER 1121C CAH-LANG 4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GGER 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.

GGER 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.

GGER 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.

GGER 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.

GGER 2240 CAH-LANG 3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GGER 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.

GGER 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.
<table>
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<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>GER 3102</td>
<td>CAH-LANG</td>
<td>Germany - Past to Present</td>
<td>3(3,0)</td>
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<tr>
<td>GER 3440</td>
<td>CAH-LANG</td>
<td>Advanced German Grammar</td>
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UCF Courses and Descriptions

HBR Courses and Descriptions


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. C.I. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 2220 RCHM-HSP SERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-FOOD&LODG 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2401 RCHM-HSP SERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSP SERV 3(3,0) 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.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-FOOD&LODG 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing. Discussion of the topics central to the successful management of restaurant and food service organizations. Fall, Spring.


HFT 3323 RCHM-HSP SERV 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0) Agronomy for Golf Course Management: PR: HFT 3551. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3357 RCHM-TEA 3(3,0) Golf Course Operations: PR: HFT 1000, HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3373 RCHM-TEA 3(3,0) Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design, and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3384 RCHM-TEA 3(3,0) 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.

HFT 3431 RCHM-HSP SERV 3(3,0) Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0) Event Technology: PR: HFT 2100C, HFT 2254, and HFT 3263. 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.

HFT 3444 RCHM-HSP SERV 3(3,0) Hospitality Information Systems: PR: C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0) Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3517 RCHM-TEA 3(3,0) Convention and Conference Sales: PR: HFT 2750 and C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3519 RCHM-TEA 3(3,0) Event Services: PR: HFT 2750 and C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences and catered functions. Fall, Spring. M&S fee $32.00.

HFT 3523 RCHM-TEA 3(3,0) Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSP SERV 3(3,0) Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574 RCHM-FOOD&LODG 3(3,0) Foodservice Marketing, Sales, and Distribution: PR: HFT 2500 and HFT 3263. Food service marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

HFT 3603 RCHM-HSP SERV 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3654 RCHM-FOOD&LODG 3(3,0) Franchising in the Restaurant Industry: PR: HFT 2401, HFT 2500, HFT 3263. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Occasional.

HFT 3670 RCHM-TEA 3(3,0) 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.

HFT 3700 RCHM-TEA 3(3,0) Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0) Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0) Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and technology, organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3,0) Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservations, casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3792 RCHM-TEA 3(3,0) Event Design and Production: PR: HFT 1000, HFT 2750, 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.

HFT 3798 RCHM-TEA 3(3,0) Fair and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3868 RCHM-FOOD&LODG 3(3,0) History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee $70.00.

HFT 3933 RCHM-RCHM 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives and the opportunities they have created in the hospitality industry. Fall, Spring.

HFT 4065 RCHM-FOOD&LODG 3(3,0) Fine Spirits Management: PR: HFT 1000 and at least 21 years of age. This course is designed to familiarize the student with the production, aromatase profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distillers. Occasional. M&S fee $45.00.

HFT 4206C RCHM-FOOD&LODG 3(3,1) Food and Beverage Operations: PR: C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-FOOD&LODG 3(3,0) Advanced Lodging Operations: PR: HFT 2401, HFT 2500, HFT 3444, HFT 3603 and Senior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real-life operational situations. Fall, Spring.

HFT 4255 RCHM-FOOD&LODG 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-FOOD&LODG 3(3,0) Hospitality Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares, and shared ownership properties. Fall.

HFT 4268 RCHM-FOOD&LODG 3(3,0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.
HFT 4274 RCHM-FOOD&LODG 3(0,0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of resort properties. Spring.

HFT 4275 RCHM-FOOD&LODG 3(0,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and Junior standing. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(0,0) Yacht, Country, And City Club Management: PR: HFT 1000 and Junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-FOOD&LODG 3(0,0) Restaurant Leadership Strategies and Tactics: PR: HFT 2500 and Junior standing. An analysis of the leadership styles of restaurant industry founders and executives. Occasional.

HFT 4286 RCHM-HSP SERV 3(0,0) Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 3750; HFT 3441; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Focus on the importance of written communication by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HSP SERV 3(0,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Core program. Course presents principles of strategic thinking required for making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4343 RCHM-HSP SERV 3(0,0) Hospitality Facilities Management: PR: HFT 1000; HFT 2500; HFT 2750; HFT 3444; HFT 3540. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, resorts, timeshares and other hospitality related ventures. Fall, Spring.

HFT 4358 RCHM-TEA 3(0,0) Golf & Club Facility Design: PR: HFT 4277. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.

HFT 4375 RCHM-TEA 3(0,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(0,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Concepts and applications of information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-HSP SERV 3(0,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic principles and tools for evaluating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-FOOD SERV 3(0,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3263, HFT 3433, and Junior standing. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4464 RCHM-HSP SERV 3(0,0) Hospitality Industry Finance: PR: HFT 3431 and Junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4466 RCHM-HSP SERV 3(0,0) Hospitality Industry Revenue Management: PR: HFT 3434 and HFT 3433, and Junior standing. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting pricing strategies, and distribution. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(0,0) Hospitality Development Analysis: PR: HFT 2254, HFT 2500, and Junior standing. Review of methodological operational, financial and marketing aspects of analyses for foodservice, hotels, timeshares, and shared ownership development projects. Fall.

HFT 4522 RCHM-FOOD&LODG 3(0,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2625, or C.I. Sales tactics and business-to-business strategies employed in the retailing and marketing of resort hotels, timeshares, and shared ownership properties. Fall.

HFT 4532 RCHM-TEA 3(0,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and Junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4561 RCHM-TEA 3(0,0) Destination Marketing II: PR: HFT 2500 and HFT 3700. Development of destination-oriented marketing goals and strategies with an emphasis on integrated destination marketing. Covers marketing challenges influencing destination marketing. Occasional.

HFT 4614 RCHM-TEA 3(0,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603, or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4732 RCHM-TEA 3(0,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(0,0) Tourism Geography: PR: HFT 3700 and Junior standing or C.I. Seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(0,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management: strategies and processes involved in design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(0,0) Convention and Conference Services: PR: HFT 3517 and Junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(0,0) Exhibit and Trade Show Operations: PR: HFT 3700 and Junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(0,0) Theme Park and Attraction Management: PR: HFT 1000 and Junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(0,0) Event Management: PR: HFT 3670, HFT 3512, HFT 3372, HFT 3519, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet, exceed and/or exceed industry standards. Fall, Spring. M&S fee $65.00
HUM 2020 CAH-PHIL 3(3,0)
Encountering 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)
Humanistic Traditions II: 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 Traditions III: 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 2325 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 2330 and Junior standing. Interdisciplinary exploration of research, ethics, and public memory, focusing on the significance of memory and testimony for our sense of self, family, community, culture, and nation. Odd Spring.
UCF Courses and Descriptions

HUM 3320 CAH-PHIL 3(3,0) Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultural milieus of 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 2230 and HUM 2236, 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 3419 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 religion, jurisprudence, philosophy, science 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 3120, 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 HUM 2230. 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 1102, HUM 1100, HUM 2210, HUM 2230, or HUM 2236. 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 in form in various cultures through time. 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, or C.I. Performance as a performance art form in an interdisciplinary context. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4459 CAH-PHIL 3(3,0) American Cultural Studies in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of cultural interaction, race, class, gender, migration, ability, and national identity in North America. Occasional.

HUM 4823 CAH-PHIL 3(3,0) Quere 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 2210 and HUM 2230; Junior standing. Interdisciplinary overview of postcolonial philosophy, literature, film, and art and cultural theory. Even Fall.

HUM 4931 CAH-PHIL 3(3,0) Key Figures in the Humanities & Cultural Studies: PR: HUM 2020 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: Honors. 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 and at least one of the following: HUM 3522, HUM 3520, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUM 2201 HPA-HP 3(3,0) Fundamentals of Human Nutrition: Functions, roles, deficiencies and nutrient requirements. Includes digestion, absorption, nutrient interactions, effects of deficiencies or toxicities, food sources and weight management. Emphasis is on prevention of disease. Fall, Spring.

HUM 3011 CON-NURS 3(3,0) Human Nutrition: PR: or CF: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.


HUM 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 macro nutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.


IDH 4921H BHC-HON 2(0) Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and/or creative endeavors. Graded S/U. Spring.

IDS 3600H CAH-PHIL 3(3,0) Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will partially complete independently. With Honors content. Fall.

IDS 4803H BHC-HON 1(3) Honors Windows To The World: PR: Permission of Honors and IDH 4921H. 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-COMM 2(1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences on leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C COS-COS 2(1) LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 3053, or COS 1921C, ENC 1102, ENC 1105, or EDH 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(0) Foundations of Environmental Studies: PR: Junior standing, complete relevant of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3180 COS-POLS 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.

IDS 3333 UGST-INTERDISC 3(0) World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933 UGST-INTERDISC 3(0) Cornerstone Experience: PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Formal and informal 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 4294C ECS-ECS 3(2,2) Advanced Topics in 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(0) Global Perspectives: PR: ENC 1102 or POS 2041 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

IDS 4933 UGST-INTERDISC 3(0) Capstone Experience: PR: IDS 3933, Junior standing, Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrates the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applicable to the course of study and academic/career goals. Fall, Spring. M.S fee $17.00

IDS 5127 COM-M&M 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 2041. Psychological theories and principles applicable to problems in industrial organizations. Fall, Spring.

INP 3004H  COS-PSYCH  3(3.0)

INP 3141C  COS-PSYCH  1-3(0.9)
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(3.0)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INR 3183  COS-POLS  3(3.0)
Organizational Psychology: PR: INR 3040. 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. Occasional.

INR 4380  COS-PSYCH  3(3.0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small teams and groups 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. An examination of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016  COS-POLS  3(3.0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250  COS-POLS  3(3.0)

INR 3253  COS-POLS  3(3.0)
International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.

INR 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 4020  COS-POLS  3(3.0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.

INR 4030H  COS-POLS  3(3.0)

INR 4035  COS-POLS  3(3.0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis on North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054  COS-POLS  3(3.0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International dimensions of global energy policy within developed and underdeveloped countries. Occasional.

INR 4060  COS-POLS  3(3.0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. 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 US-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 immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.

INR 4075  COS-INP  3(3.0)

INR 4076  COS-POLS  3(3.0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

INR 4083  COS-POLS  3(3.0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.

INR 4085  COS-POLS  3(3.0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.

INR 4102  COS-POLS  3(3.0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104  COS-POLS  3(3.0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114  COS-POLS  3(3.0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, 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. International strategic weapons, their proliferation and impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116  COS-POLS  3(3.0)

INR 4224  COS-POLS  3(3.0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225  COS-POLS  3(3.0)
The Vietnam War: PR: POS 2041 or INR 2022 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 demands. 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. The international politics of regional organizations, and the role of Latin America in the world. Occasional.

INR 4333  COS-POLS  3(3.0)

INR 4335  COS-POLS  3(3.0)
Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350  COS-POLS  3(3.0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global level. Fall.

INR 4351  COS-POLS  3(3.0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4364  COS-POLS  3(3.0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401  COS-POLS  3(3.0)
International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, and atmosphere. Odd Fall.

INR 4604  COS-POLS  3(3.0)
Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502  COS-POLS  3(3.0)
International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.
INR 4603  COS-POLS  3(3,0)
International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and postmodernism. Fall, Spring.

INR 4714  COS-POLS  3(3,0)
Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, nation-state, and global levels of analysis. Occasional.

INR 4774  COS-POLS  3(3,0)
Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

INT 4205C  HPC-SC&DIS  4(3,1)
Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

ISC 2054  COS-MATH  1(2,0)
EXCEL Seminar I: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.

ISC 2055  COS-MATH  1(2,0)
EXCEL Seminar II: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. Spring.

ISC 2215  COS-MATH  1(3,0)
Interdisciplinary Applications of Calculus I: CR: MAC 2311C. Interdisciplinary applications of differential and integral calculus topics in MAC 2311C to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216  COS-MATH  1(3,0)
Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ITA 1120C  CAH-LANG  3(3,0)
Elementary Italian Language and Civilization I: PR: ITA 1121C or equivalent. Introduction to the study of the Italian language and culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization I: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 3420  CAH-LANG  3(3,0)
Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3442  CAH-LANG  3(3,0)

ITA 3472  CAH-LANG  3(3,0)

ITA 3564  CAH-LANG  3(3,0)
Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1900s through today) through literature, film, and mass media. Spring.

ITA 3760  CAH-LANG  3(3,0)
Advanced Italian for International Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280  CAH-LANG  3(3,0)

ITA 3443  CAH-LANG  3(3,0)

ITA 3480  CAH-LANG  3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

ITA 4956  CAH-LANG  3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 497H  CAH-LANG  3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3100  CAH-LANG  3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101  CAH-LANG  3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

ITW 3373  CAH-LANG  3(3,0)
The Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.

JOU 2100C  COS-COMM  3(3,1)
News Reporting: PR: C.I. Introduction to news writing, including the preparation of several manuscripts. Fall, Spring.

JOU 3105  COS-COMM  3(3,0)
Principles of Journalism: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Introduces principles of the journalism industry and lays the foundation for other upper-journalism level courses. Fall, Spring.

JOU 3201  COS-COMM  3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of reporting. Occasional.

JOU 3304  COS-COMM  3(3,0)
Journalism Readings: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

JOU 3313C  COS-COMM  3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the media; issues, principles, and practices. Occasional.

JOU 3370  COS-COMM  3(3,0)
Social Media Writing for Magazines: PR: JOU 2100C or PUR 3100. Social media writing for traditional magazines and journalism-based ‘zines. Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.

JOU 3510  COS-COMM  3(3,0)
Magazine Writing and Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Fall.

JOU 3912  COS-COMM  3(3,0)
Collaborative Experiential Research Projects: PR: Either SPC 1608, SPC 1603C, or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

JOU 4181  COS-COMM  3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in JOU 2100C and a minimum grade of “C” (2.0) in JOU 3100 or JOU 3101. Reporting on city, county and state government. Occasional.

JOU 4211C  COS-COMM  3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

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 designing 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.
JPN 2200: Intermediate 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, Spring.

JPN 2201: Intermediate Japanese Language and Civilization II: Continuation of JPN 2200 or equivalent. Spring.


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(3,0) Dead Sea Scrolls: PR: Junior standing or C.I. 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 times. Occasional.

JST 3210: CAH-JUD 3(3,0) Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its earliest roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312: CAH-JUD 3(3,0) Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

JST 3401: CAH-JUD 3(3,0) Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism through the biblical era through the Greek-Roman and rabbinic periods. Fall.


JST 3417: CAH-JUD 3(3,0) Sephardic 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.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481: CAH-JUD 3(3,0) 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, 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 19th century, as espoused by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.


JST 3751: CAH-JUD 3(3,0) The Holocaust in Contemporary History: A study of the historical experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew literature. Occasional.
LIN 4643 CAH-ENG 3(3,0)
Cross Cultural Communication: PR: Junior standing, and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0)
Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0)
Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 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.

LIN 4711 HPA-COM SC&DIS 3(3,0)
Language Analysis: PR: LIN 3716 and LIN 3717. CR. LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COM SC&DIS 10(1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR. LIN 4711. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0)
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0)
World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3206 CAH-ENG 3(3,0)
Place and Space in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. Occasional.

LIT 3313 CAH-ENG 3(3,0)

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3368 CAH-ENG 3(3,0)
Magical Realism in Literature: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Elliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Elliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen in the context of AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0)
Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3437 CAH-ENG 3(3,0)
International Environmental Justice Literature: PR: ENC 1102. Literary and creative works from different genres and international authors addressing issues and stories related to environmental justice themes, such as toxics and land use. Occasional.

LIT 3482 CAH-ENG 3(3,0)

LIT 3482H CAH-ENG 3(3,0)

LIT 3605 CAH-ENG 3(3,0)
Literature and Law: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examines the nature of legal discourse, the strength of postcolonial literary, and film. Occasional.

LIT 3605H 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. May be used in the degree program a maximum of 2 times only when course content is different. 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 3931 CAH-ENG 3(3,0)
Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. 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. Examines the nature of legal discourse, the strength of postcolonial literary, and film. 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 Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial literary, 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-native and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0)
Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodern world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0)
Honors 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.
MAA 4226 Occasional. or senior standing or C.I. Graduate level Feminist Theories
limits, differentiation, Riemann integrals, Riemann-Stieltjes times.

MAA 4402 Continuation of MAA 4226.

MAA 4227 CAH-ENG 3(3,0)
Captives, Housewives, and Coquettes: PR: Gradate status or senior standing or C.I. Graduate study of gender’s implications for teaching and practice of fiction writing. Occasional.

MAA 4226 COS-MATH 4(4,0)

MAA 4402 COS-MATH 3(3,0)
Introduction to Complex Variables: PR: MAC 2313 and MAP 2302 and MHF 3302, or C.I. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. Spring.

MAA 4934 COS-MATH 3(3,0)
Topics in Analysis: PR: MAS 3106 and MAA 4226, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MATH 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical background, no review of algebra will be done directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The “NC” grading policy applies to this course. Even, Fall, Spring.

MATH 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a “C” (2.0) or better. PR: MHF 3302 or COT 3100C, or C.I. The differential and integral calculus of rational, exponential, and logarithmic functions of one variable. Emphasis on applications of differentiation, integration and the fundamental theorem of Calculus. Fall, Spring.

MATH 2253 COS-MATH 3(3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a “C” (2.0) or better and MAC 1114C with a grade of “C” (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and “C” or “B” (2.0) or better in MAC 1114 or MAC 1114C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration 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.

MATH 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 and MAC 1114C with a grade of “C” (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and “C” (2.0) or better in MAC 1114 or MAC 1114C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration 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.
UCF Courses and Descriptions

MAE 2801 ED-T&L 3(0,4) Elementary School Mathematics: PR: MAC 1105C or MAC 1100. 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-T&L 3(0,3) Elementary Mathematics for Teaching II: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integers, geometry and algebraic reasoning. Fall, Spring.

MAE 3311 ED-T&L 3(0,3) 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-CFCS 3(0,3) Math Curriculum and Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-T&L 3(0,3) How Children Learn Mathematics: PR: MAE 3310 and MAE 3311, CR: EDE 3942. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAE 4360 ED-T&L 4(3,2) 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 4634 ED-T&L 3(0,2) Programs in Teaching of Mathematics: PR: C.I. A consideration of special programs, strategies, and materials. Emphasis on individual needs of students. Spring.

MAE 5327 ED-T&L 3(0,3) Teaching Middle School Mathematics: PR: EDG 6145 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate. Students will develop skills in mathematics content and delivery of mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESSL, and manipulatives is considered. Occasional.

MAE 5336 ED-T&L 3(0,3) Current Methods in Secondary School Mathematics: PR: EDG 6145 and TSL 5085 or admission to MED program or 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(0,3) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of college mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(0,3) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(0,4) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(0,4) 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 3301 BA-MAN 3(0,3) 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(0,3) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.


MAN 4029 BA-MAN 3(0,3) Service Organization Management: PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(0,3) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through in-class exercises and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(0,3) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4320 BA-MAN 3(0,3) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(0,3) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(0,3) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(0,3) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieving labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(0,3) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(0,3) Production Planning and Control: PR: Management major. MAN 3301. In-depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583 BA-MAN 3(0,3) Project Management: PR: GEI 3031 and MAN 3025. Development of project management in assorted business and organizations (large/small, manufacturing/service; for profit/for profit). Covers all project phases from initiation to termination. Occasional.

MAN 4600 BA-MAN 3(0,3) International Management: PR: Approved major or minor; MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(0,3) 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(0,4) Strategic Management: PR: MAN 3025, MAN 3023, FIN 3403C and GEI 3031. Students assume a strategic view of organizations and organizations and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4802 BA-MAN 3(0,3) New Venture and Small Business Management: PR: GEI 3115 or (MAN 3025 & FIN 3403C). Legal, organizational design, supply chains, 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, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037 BA-MAN 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.

MAN 5050 BA-MAN 2(0,2) Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Occasional.

MAN 5867 BA-MAN 3(0,3) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(0,3) Ordinary Differential Equations I: PR: Grade of “C” (2.0) or better in MAC 2312; PR: or CR: 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(0,3) Honors Differential Equations: PR: Grade of “C” (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(0,3) 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.
UCF Courses and Descriptions

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. May be included in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0) Mathematical Modeling I: PR: MAC 2313 and MAP 2302 and MAS 3105, or C.I. An introduction to the study of mathematical modeling. Spring.

MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Introduction to Stochastic Models I: PR: MAC 2313 and MAP 2302, or C.I. Mathematical models of random events; theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Occasional.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAC 2313 and MAS 3105, 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: MAC 2313, MAP 2302, and MAS 3105, or C.I. Linear programming, dynamic programming, control theory; integer programming. Occasional.


MAP 4341 COS-MATH 3(3,0) Introduction to Partial Differential Equations: PR: MAC 2313 and MAP 2302 and MAS 3105, or C.I. Linear and 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 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2313, MAP 2302, and MAS 3105, or C.I. Numerical theory and practices used in solving ordinary differential equations: and PDE. Covers Euler’s method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.


MAP 4484 COS-MATH 3(3,0) Mathematical Biology II: 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 4494 COS-MATH 3(3,0) Mathematical Biology II: PR: MAP 4494. 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 standing or senior standing or C.I. Special functions, 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 standing 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(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in inviscid and viscous fluids, energy and enstrophy, geophysical and meteorological processes, ocean waves, and nonlinear waves. Fall, Spring.

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 4(4,0) Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0) Honors Marketing: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall, Spring.

MAR 3203 BA-MAR 4(4,0) Supply Chain and Operations Management: PR: Admission to College of Business or completion of ECO 3431 or completion of ECO 3411 or completion of MAC 1140C (or higher) and STA 2014C (or higher) with a grade of C (2.0) or higher. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customers’ demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0) Honors Supply Chain and Operations Management: PR: Consent of the Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customers’ demands. Fall.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAR 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. Study of marketing as it applies to the sports and leisure industry. Occasional.
MAR 4712 BA-MAR 3(3,0) 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.

MAR 4715 BA-MAR 3(3,0) 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.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAR 3503 and MAR 3613 and consent of Honors. Elements of marketing decision making, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0) Marketing Strategy: PR: MATH 4803 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, sports, and events. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3,0) 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.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Linear vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3105H COS-MATH 4(4,0) Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms, with Honors content. Fall, Spring.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MHF 3302 and MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0) Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0) Abstract Algebra I: PR: MHF 3302 and MAC 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0) Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including field theory and group theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0) Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0) Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0) Algebra I: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups and groupoids, groups actions, the class equation, Sylow theorems, Jordan-Hold theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033C COS-MATH 3(3,0) Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents; linear and quadratic equations and inequalities, systems of equations, and applications. This course is a “bridge course” which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311C and CR: MAC 2312. C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded SU. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2312, MATH 3202, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and Integration. Even Fall.

MCB 1000 COM-M&M 3(3,0) The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.


MCB 3020C COM-M&M 5(3,4) General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2201. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environment control, ecology, pathogenicity, and laboratory techniques. Fall, Spring. M&S fee $53.00

MCB 3020C MCB 3(3,0) 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 content. Fall. M&S fee $53.00

MCC 3202 COM-M&M 3(3,0) Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MCC 3203 COM-M&M 3(3,0) Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCC 3203L COM-M&M 1(1,0) Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring, M&S fee $53.00


MCC 4201 COM-M&M 3(3,0) Microbial Stress Response: PR: MCB 3020C and CR: MCB 3202. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCC 4204 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Fall.

MCC 4276 COM-M&M 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.

MCC 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCC 4404 COM-M&M 3(3,0) Biotechnical Fundamentals: PR: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCC 4410 COM-M&M 3(3,0) Cellular Metabolism: PR: PCB 3522 PCB 3023. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCC 4414 COM-M&M 3(3,0) Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationships between cellular structure and function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.


MCC 4603 COM-M&M 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&M&M 3(3,0) Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development.

MCB 4721C COM&M&M 2(4,2) Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biotechnological industry for target validation. Occasional. M&S fee $70.00

MCB 4920C COM&M&M 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&M&M 3(3,0) Infection: Principles: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells to tissue infection. Fall.

MCB 5208 COM&M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.


MCB 5225 COM&M&M 3(3,0) Molecular Biology of Disease: PR: Graduate standing or C.I. An in-depth study of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. Fall.

MCB 5314 COM&M&M 1(1,0) Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. PR: May be used in the degree program a maximum of 2 times. Fall.

MCB 5415 COM&M&M 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&M&M 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 virus, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5654 COM&M&M 3(3,0) Applied Microbiology: PR: MCB 3020C or C.I. Microbial ecology of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM&M&M 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 biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

MCB 5932 COM&M&M VAR Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 COS-MATH 3(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, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.


MCH 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MCH 4934 COS-MATH 3(3,0) Topics in Foundations and History of Mathematics: PR: MCH 3302 and MAS 3106, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MHS 2330 ED-EHSH 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-EHSH 3(3,0) Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-EHSH 3(3,0) Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional preparation and an overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MHS 3220C COM&M&M 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

MHS 3305 COM&M&M 3(3,0) Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MHS 3305L COM&M&M 1(0,6) Hematology Lab: PR: MHS 3305. Practical laboratory procedures are performed for analyzing hemotologic abnormalities. Spring.

MHS 3705 COM&M&M 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.

MHS 4334 COM&M&M 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.

MHS 4430C COM&M&M 3(2,3) Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Introduction and laboratory practice in the identification and study of clinical material for the detection and identification of human parasites. Fall. M&S fee $46.00

MHS 4460L COM&M&M 1(0,6) Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3020. Laboratory analysis of human pathogens (bacteria and fungi). Spring. M&S fee $53.00


MHS 4550 COM&M&M 6(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.

MHS 4602 COM&M&M 3(3,0) Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MHS 4610L COM&M&M 1(0,3) Advanced Clinical Chem I Lab: CR: MHS 4620. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00.

MHS 4640 COM&M&M 3(3,0) Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states. Spring.

MHS 4830L COM&M&M 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MHS 4625, MHS 4560. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MHS 4831L COM&M&M 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MHS 4550, MHS 4560. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MHS 4832L COM&M&M 4(0,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MHS 3305, MHS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MHS 4833L COM&M&M 4(0,8) Diagnostic Microbiology: PR: Admission to the MLS program, MHS 4460. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/clinical site. Fall.

MHS 4910 COM&M&M 3(1,0) Introduction to Clinical Research: PR: MHS 3220C, MHS 4625, MHS 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 Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall, Spring.
New Course for Fall, Spring.

MUE 3202 CAH-MUSIC 2(2,0)

MUG 3302 CAH-MUSIC 3(3,0)

MUC 3200 CAH-MUSIC 3(3,0)

MUH 2017 CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors consent. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2021 CAH-MUSIC 3(3,0)

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUL 2014 and MUL 3212. History of Western European art music from Antiquity to 1700. Fall, Spring.

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUL 2014 and MUL 1122. History of Western European art music from Antiquity to 1700. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 2014 and MUL 1122. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 and grades of “C,” “D,” or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music or music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5370 CAH-MUSIC 3(3,0)

MUH 5665 CAH-MUSIC 3(3,0)
Development of Opera: PR: Graduate standing in music or C.I. An in-depth examination of Western European operas, from its origins around 1500 until the present day. Even Spring.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 3010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 3014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Mosul and culture of C.I. Music and culture of Western Europe, and American and non-Western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)

MUL 2721 CAH-MUSIC 3(3,0)
Survey of Latin American Music: Survey of Latin-American and Caribbean music, including musical traditions as well as historical and cultural connections. Occasional.

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUL 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 3(2,1)
Piano Literature I: PR: Major in Music or C.I. Study of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 3(2,1)

MUL 3463 CAH-MUSIC 3(3,0)

MUL 3602 CAH-MUSIC 3(3,0)
Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0)

MUL 4438 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MUL 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0)

MUL 4444 CAH-MUSIC 3(3,0)
MUL 5215 CAH-MUSIC 3(0,3)

MUL 5436 CAH-MUSIC 3(0,3)
Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Study of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5439 CAH-MUSIC 3(0,3)
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 3(0,3)
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 techniques and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 5448 CAH-MUSIC 3(0,3)
Brass Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for brass instrumental performance. Even Fall.

MUM 5006 CAH-MUSIC 3(0,3)
Performance 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 1(0,1)
Percussion/Band: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall. Spring. M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8)
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. Spring. M&S fee $30.54

MUN 3232L CAH-MUSIC 1(0,3)
Concert Band: PR: C.I. No audition required and open to all majors. Study and performance of music for large ensembles. May be repeated for credit. Fall. Spring. M&S fee $20.00

MUN 3243 CAH-MUSIC 1(0,2)
Wind Ensemble: PR: 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 3243 CAH-MUSIC 1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,1)
Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,1)
Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times only when course content is different. Fall. Spring. M&S fee $20.00

MUN 3431L CAH-MUSIC 1(0,2)
Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(0,1)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3444 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall. Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(0,2)
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 3453 CAH-MUSIC 1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,3)
String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2)
Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4)
Jazz Ensemble: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2)
Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3813 CAH-MUSIC 1(1,1)
Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(1,0)
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 1(0,3)
Concert Band: PR: Open to all graduate students by audition. Individual chamber music groups. Used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC 1(0,4)
Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5215 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5358L CAH-MUSIC 1(0,3)
Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5358L CAH-MUSIC 1(0,3)
Graduate University Chorus: PR: Graduate standing in Music and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5445 CAH-MUSIC 1(0,2)
Reception Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0,2)
Jazz Ensemble: PR: Audition in Music Education and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall. Spring. M&S fee $20.00

MUN 5478L CAH-MUSIC 1(0,3)
Graduate Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0,4)
Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall. Spring. M&S fee $20.00

MUN 5716L CAH-MUSIC 1(0,2)
Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUO 2501C CAH-MUSIC 2(1,1)
Opera Skills: PR: Open to all students by audition. Integration of singing, acting, movement and opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3505L CAH-MUSIC 1(0,3)
Opera Workshop: PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $70.00

MUO 5505L CAH-MUSIC 1(0,3)
Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $70.00

MUS 1010 CAH-MUSIC 0(9,2)
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.
MUS 1205 CAH-MUSIC 4(2,3)
Music Theory and Musicianship I: PR: MUT 1122 or C.I. Continuation of MUS 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUS 1216 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 $15.83

MUS 3254 CAH-MUSIC 0(1,0)
Music Theory and Musicianship IV: PR: MUS 2360C or C.I. Continuation of MUS 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUS 3170 CAH-MUSIC 3(0,3)
Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUS 3171 CAH-MUSIC 3(0,3)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUS 3923 CAH-MUSIC 3(0,3)
Jazz Workshop: PR: MUS 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 2126 CAH-MUSIC 4(2,3)
Music Theory and Musicianship II: PR: MUT 2125 or C.I. Continuation of MUS 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(0,3)
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(0,3)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. 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 4311 CAH-MUSIC 3(0,3)

MUT 4401 CAH-MUSIC 3(0,3)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(0,3)
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(0,3)
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 5581 CAH-MUSIC 3(0,3)
Arranging and Composing Music: PR: Consent of Music Chair. 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. Even Fall.

MUT 5445 CAH-MUSIC 3(0,3)
Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day, Even Spring.

MUT 5620 CAH-MUSIC 3(0,3)
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(0,0)
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 0(1,0)

MVB 1212 CAH-MUSIC 1(0,1)

MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. 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)
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)
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.
Euphonium II: PR: MVK 1411 and competence determined by faculty jury. Study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 1010 CAH-MUSIC 2(1,1)
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. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1)
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(1,1)
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 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. 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 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scales, 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 2224 CAH-MUSIC 2(1,1)
Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. 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 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 3230. 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 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. 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 3424 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 3439 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. 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, and C.I. Study of jazz piano literature, style, and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.
MVO 5250 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC 1(0,1)
Secondary Percussion: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. CR: M&S fee $35.00

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and concentration determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVP 3431 CAH-MUSIC 2(3-1,1)
Percussion III: PR: MVP 2421 and concentration determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVP 3630 CAH-MUSIC 2(2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC 4(1,1)
Percussion IV: PR: MVP 3431 and concentration determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVP 5451 CAH-MUSIC 2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1211 CAH-MUSIC 1(0,1)
Secondary Violin: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1212 CAH-MUSIC 1(0,1)
Secondary Viola: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1213 CAH-MUSIC 1(0,1)
Secondary Cello: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1214 CAH-MUSIC 1(0,1)
Secondary Bass: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1216 CAH-MUSIC 1(0,1)
Secondary Guitar: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(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(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVS 1411 and concentration determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and concentration determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and concentration determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and concentration determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVS 1415 and concentration determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVS 1416 and concentration determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVP 2421 and concentration 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(1,1)
Violin IV: PR: MVP 2422 and concentration 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 3433 CAH-MUSIC 2-3(1,1)
Cello III: PR: MVP 2423 and concentration 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(1,1)
Bass III: PR: MVP 2424 and concentration 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(1,1)
Harp III: PR: MVP 2425 and concentration 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(1,1)
Guitar III: PR: MVP 2426 and concentration 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 4442 CAH-MUSIC 4(1,1)
Violin IV: PR: MVS 3432 and concentration 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.

MVS 4443 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3433 and concentration determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3434 and concentration determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)
Harp IV: PR: MVS 3435 and concentration determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(0,1)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(0,1)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(0,1)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(0,1)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(0,1)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(0,1)
Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVV 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1873 CAH-MUSIC 1(0,1)

MVV 2421 CAH-MUSIC 2(1,1)
Voice II: PR: MVV 1411 and concentration determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

MVV 3431 CAH-MUSIC 2-3(1,1)
Voice III: PR: MVV 1412 and concentration determined by faculty jury. Continued study of performance skills of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVV 3432 and concentration 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.

MVV 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 5451 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 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Fall, Spring.

MVW 1211 CAH-MUSIC 10(1,1)

MVW 1212 CAH-MUSIC 10(1,1)

MVW 1213 CAH-MUSIC 10(1,1)

MVW 1214 CAH-MUSIC 10(1,0)

MVW 1215 CAH-MUSIC 10(1,0)

MVW 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2(3,1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3432 CAH-MUSIC 2(3,1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC 2(3,1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2(3,1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC 2(3,1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continuation of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003L CON-NURS 1(0,0)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Concepts and skills of advanced health assessment and diagnostic reasoning during the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring, M&S fee $45.00

NGR 5090 CON-NURS 3(3,0)

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 tracks or C.I. Critical clinical 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 tracks or C.I. Exploration 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: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations; data, research, program 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. Exploration 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 5991. 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.
Occasional. practices applied to a variety of settings; an examination of of a Nursing program or C.I. Forensic Nursing principles and economics, nursing care and management. Occasional. practice, laws, nursing care systems and policies and the role of advanced practice nurses. Fall, Spring.

NGR 5894C
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
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 healthcare. Fall.

NGR 4335
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In-depth study of pathophysiology, management and nursing care of high risk newborns. Emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. Occasional.

NSP 4425
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.

NGR 4495
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
Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012 or SVG 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
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.

NGR 4965
Forensic Nursing Principles and Practice: PR: NUR 3028 or NUR 3056L 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 for forensic nursing. Occasional.

NUR 3028L
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028L and NUR 3028. NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to clinical psychomotor nursing skills. Graded S/U. Fall. M&S fee $45.00

NUR 3065
Nursing 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
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. M&S fee $15.00

NUR 3125
Pathophysiology 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 3345L; NUR 3445; NUR 3445, Concepts and nursing care applications of the pathophysiological basis of illness. Fall.

NUR 3145C
Pharmacology for Nursing Practice: PR: Admission to the BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3345; NUR 3445, Concepts and nursing care applications of pharmacology and application to nursing practice. Fall.

NUR 3165
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 3055 and RN status; 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
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
Accelerated Nursing Research Seminar: PR: Admission to the BSN program; previous admission to undergraduate or graduate study 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
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 3125, NUR 3145; NUR 3445; NUR 3445L. Integrate biosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L
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 experience applying biosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded SU. Fall, Spring, Fall, Spring.

NUR 3445L
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and Illness management for childbearing and childbearing families. Fall.

NUR 3445
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and Illness management for childbearing and childbearing families. Graded SU. Fall. M&S fee $45.00

NUR 3634
Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L
Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and 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 SU. M&S fee $45.00

NUR 3755L
Essentials of Nursing Practice Clinical: PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Application of nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded SU. M&S fee $45.00

NUR 3795

NUR 3805
Dimensions of Professional Nursing Practice: PR: Nursing major or junior level or C.I. EN 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806

NUR 3825
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
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.

NUR 3826H

NUR 3836
International Perspectives of Nursing and Health Care: PR: Enrolled 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
Holistic Nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.
NUR 4178 CON-NURS 3(3,0)
Complementary & 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 Licensure, or C.I. The application of genetic and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L. 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 the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded SU. Spring.

NUR 4257 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)
Geriatric 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. Occasional.

NUR 4340 CON-NURS 3(3,0)
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(3,0)
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)

NUR 4535 CON-NURS 3(3,0)
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 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 4535; 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 SU. Fall, Spring.

NUR 4604L CON-NURS 4(0,12)
Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634, CR: NUR 4637, CR: NUR 4637, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded SU. Fall, Spring.

NUR 4637 CON-NURS 2(2,0)
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 4945L Nursing Practicum; NUR 4637L; NUR 4627. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4675 CON-NURS 3(3,0)
Issues in Rural Health Care: PR: NUR 3006 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4706 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to the BSN 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 Psychology: 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 3805, 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 process. 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 4945L or NUR 4604L or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to all healthcare 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 CR. NUR 4945L 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 4837H CON-NURS 3(3,0)
Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed 4th and 2nd 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. Occ, Spring.

NUR 4906 CON-NURS 4(4,0)
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: Permission of Honors and admission to major; C.I. Nursing practicum for international students. Graded SU. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4)
Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023, for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student’s knowledge and expertise in an area pertinent to nursing practice. C.I. First-Year nursing student and school of nursing faculty. Graded SU. Spring.

NUR 4971H CON-NURS 1-3(1-3,0)
Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIOL 3(3,0)
Oceanography: PR: CHM 2045C and CHM 2046, and a "C" (2.0) or better in BSC 2101C. Biological, physical and chemical oceanography. Occasional.

OSE 3052 OPT-OPT 3(3,0)

OSE 3052L OPT-OPT 1(0,1)

OSE 3053 OPT-OPT 3(3,0)

OSE 3480 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)

OSE 4410 OPT-OPT 3(3,0)
Optoelectronics: PR: EEE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

OSE 4410L OPT-OPT 1(0,1)
Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and CCDs. Applications include solar cells, displays, imaging, and optical communications. Spring. M&L fee $18.00

OSE 4470 OPT-OPT 3(3,0)
Fiber-Optic Communications: PR: EEL 3132C 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  1(0,1) Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters and receivers using optoelectronic devices, multiplexing, and overall systems performance. Fall, M&S fee $16.00.


OSE 4721  OPT-OPT  3(3,0) Biophotonics: PR: OSE 3052. This course introduces the students to the phenomena of photonics (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. Fall.

OSE 4830  OPT-OPT  3(3,0) Imaging and Display: PR: EEL 3123C, OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Spring.


OSE 4911  OPT-OPT  3(3,0) Senior Design I: PR: Sr. Standing. 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 4912  OPT-OPT  3(3,0) Senior Design II: PR: Sr. Standing. OSE 4911. 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 4930  OPT-OPT  2(2,0) Frontiers of Optics and Photonics: PR: OSE 3052, PHY 4424, EEL 4440, Sr. Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 5041  OPT-OPT  3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 OR EEL 4440. The 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. Fall, 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 4520 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 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 or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically and responsibly. Fall.

PAD 3330  HPA-PUB  3(3,0) Urban and Regional Planning: PR: Junior standing 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: ENGL 2001 or C.I. Professional 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: (ECO 2013 or ECO 2023) or (Public Administration minor and Senior Standing) problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104  HPA-PUB  3(3,0) Administrative Theory: PR: 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: 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 government relations, financial management and marketing. Fall, Spring.

PAD 4147  HPA-PUB  3(3,0) Resource 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 resource 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: Junior Standing or C.I. Prepare students to design and implement strategies for the improvement of public sector products by providing education in a variety of quality related areas. Fall.

PAD 4204  HPA-PUB  3(3,0) Fiscal Management: PR: 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 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysts, focusing on the process of generating and using information. Occasional.

PAD 4253  HPA-PUB  3(3,0) Community & Economic Development: PR: PAD 3003 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: PAD 3330 or C.I. The study of land use and planning to include zoning, zoning ordinances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334  HPA-PUB  3(3,0) Urban Design: CR: PAD 3330 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: CR: PAD 3330. 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: CR: 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.

PAD 4390  HPA-PUB  3(3,0) Hazard Mitigation and Preparedness: PR: (Junior standing and a declared EMHS minor) or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392  HPA-PUB  3(3,0) Emergency Management and Homeland Security: PR: (Junior Standing and a declared EMHS minor) or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4394  HPA-PUB  3(3,0) Disaster Response and Recovery: PR: Junior Standing and a declared EMHS minor or C.I. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and compared. Dynamics of the recovery process are emphasized. Spring.

PAD 4446 Multiculturalism in Public Administration: PR: Junior standing. The course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4510 Privatization: PR: PAD 5003 or C.I. Analysis of the process i.e., realization, existing governmental services, including: privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

PAD 4712 Information Systems for Public Managers and Administrators: PR: PAD 3930. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 Survey Research in Public Administration: Introductions to research methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4882 Intergovernmental Administration: Various topics to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 Public Administration Internship: PR: Junior Standing and Public Administration major. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded SU. Occasional.

PAD 4948 Nonprofit Management Internship: PR: Junior standing, enrollment in nonprofit minor, and completion or concurrent enrollment in at least one credit hour of PAD 3930. Supervised internship to demonstrate AH and C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.


PAD 5336 Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5388 Land and Use Planning Law: Review of land use planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5566 Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Fall, Spring.


PAD 5850 Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit Certificate or C.I. Administration of grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAF 2102 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 Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 4234 Zoo and Aquarium Management: PR: A "C" (2.0) or better in both PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 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.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 Molecular Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular and extracellular traffic, cell signaling, apoptosis and cell cycle control and organization and functions of the cytokinetic and extracellular matrix. Fall, Spring.

PCB 3044A Principles of Ecology Laboratory: PR or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall.

PCB 3063 GIS-COBOL PR: CHM 2045 and a "C" (2.0) or better in BSC 2010C or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L GIS-COBOL PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C or C.I. This course is designed to help students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PCB 3233 Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immuno therapy. Fall.


PCB 3343L Field Ecology: PR: BSC 2010C, PCB 3044 or C.I. Applied study of biodiversity, ecology and conservation through field trips, field research and/or lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3354 Tropical Ecology and Conservation: PR: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Geography, ecology, and environmental problems encountered in various tropical ecosystems with particular emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355L Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2010C and PCB 3044, or C.I. Intensive, one week field course at an institute of marine science. Diving' snorkeling' will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3342 Aquatic Ecology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045-C. The physiology and interrelationships of organ systems of the human body. Fall. Spring. M&S fee $70.00
PCB 5837 COM&M 3(3,0)
Cellular and Molecular Neuroscience: PR: Graduate standing. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 5838 COM&M 3(3,0)
Cellular and Molecular Basis of Brain Function: 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, or Conservation Biology, or Certification 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 and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 ED-CFCS 2(1,1)
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2111 ED-CFCS 2(1,1)

PEL 2112 ED-CFCS 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-CFCS 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-CFCS 2(1,1)

PEL 2341 ED-CFCS 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-CFCS 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-CFCS 2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-CFCS 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 2104 ED-CFCS 3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121 ED-CFCS 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-CFCS 2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core manipulation as it applies to everyday movement. Occasional.

PEM 2131 ED-CFCS 2(1,1)
Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C ED-CFCS 2(1,1)
Adventure Recreation: Options for adventure recreation including outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-CFCS 2(1,1)
Aerobics: Properly monitored muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2173 ED-CFCS 2(1,1)
Step Aerobics: A rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1)
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1)

PEM 2179C ED-CFCS 2(1,1)
Boot Camp Fitness: Study and application of aerobic and anaerobic fitness activities to improve strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2)
Self Defense for Women and Men: Designed to provide students with self defense skills. 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-CFCS 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-CFCS 3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

PEO 2623C ED-CFCS 2(1,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-CFCS 3(3,0)
Games Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

PEO 3219 ED-CFCS 3(2,0)
Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive alignment and strategies. Occasional.

PEO 3324 ED-CFCS 3(2,1)
Coaching Volleyball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching volleyball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3514C ED-CFCS 3(2,1)
Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-CFCS 3(3,0)
Coaching Basketball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3644 ED-CFCS 3(2,1)
Coaching Football: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.

PEO 5645C ED-CFCS 3(2,1)

PET 2081 ED-CFCS 1(0,1)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005 ED-CFCS 3(3,0)
Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-CFCS 3(3,0)
Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3125 ED-CFCS 3(3,0)
Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3137 ED-CFCS 3(3,0)
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

PET 3344C ED-CFCS 3(2,1)

PET 3350 ED-CFCS 3(3,0)
Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or PEO 2011 or equivalent and minimum overall 2.5 GPA. Study of digestion of food, assimilation, absorption, secretion and metabolism. Fall, Spring.

PET 3510C HPA-HP 3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall, Spring.
PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall.

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to Sport and Exercise Science program or Fitness Training Minor. ZOO 3736C or equivalent and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(3,0)
Teaching Sports Skills I: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Fall, Spring.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science program or Fitness Training Minor. ZOO 3736C or equivalent and minimum overall 2.5 GPA. An in-depth study into motor development and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 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-CFCS 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-CFCS 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-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program or Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athletic performance. Fall, Spring.

PET 4312C ED-CFCS 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 2048C. Assessment of the recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4401 ED-CFCS 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-CFCS 3(2,1)
Assessment and Evaluation in Exercise Science: PR: Admission to Sport and Exercise Science program or APK 4110C and minimum overall 2.5 GPA. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.
PHI 3200 CAH-PHIL 3(3,0) Mediaeval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought on medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHI 3510 CAH-PHIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHI 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. Occasional.

PHI 3700 CAH-PHIL 3(3,0) American Philosophy: PR: PHI 2010 or AMH 2010 or AHM 2020 or C.I. A thematic and chronological survey of philosophical, political, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHI 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 4010 CAH-PHIL 3(3,0) Introduction to Philosophy: PR: PHI 2010 or C.I. An introduction to the nature of philosophy, principles of logical reasoning, and methods of inquiry. Occasional.

PHI 4011 CAH-PHIL 3(3,0) Philosophical Reasoning: A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. Occasional.

PHI 4010H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 4110 CAH-PHIL 3(3,0) Philosophical Reflections: PR: C.P. 3502C or PHI 3002. An introduction to the nature of philosophy, philosophical problems, and philosophical arguments. Even Fall.


PHI 4260 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2100 or C.P. 3100C 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: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at 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; systems and axiomatic methods; problems of metaethory, 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 concept of mind and brain, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.


PHI 3451 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. Course in applied 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 3502C or DIG 2000 or C.I. Ethics of virtual worlds as related 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 3502C or DIG 2000 or PHI 2947. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0) Family Values: PR: PHI 2100, PHI 3630, PHI 4010, 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 3640 CAH-PHIL 3(3,0) Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, from ecology, ecosocialism, 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.

PHI 3700 CAH-PHIL 3(3,0) Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon examinations of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0) Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. Occasional.
UCF Courses and Descriptions

PHI 3750 CAH-PHIL 3(3,0)

PHI 3790 CAH-PHIL 3(3,0)
African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

PHI 3800 CAH-PHIL 3(3,0)

PHI 3803 CAH-PHIL 3(3,0)
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.

PHI 3805 CAH-PHIL 3(3,0)

PHI 4221 CAH-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)
Philosophies of Embodiment: Mind/BODY/Self: PR: Junior standing and either PHI 2010, PHI 2011, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: Senior standing or C.I. Ethics and biological science, with emphasis on current ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0)

PHI 4935 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: PHI 3320, PHI 3453 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Capstone course in research, developing effective oral and written communication skills. Spring.

PHI 5225 CAH-PHIL 3(3,0)
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

PHI 5325 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL 3(3,0)
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 CAH-PHIL 3(3,0)
Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0)
Philosophy of Neurosciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0)

PHI 5627 CAH-PHIL 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on applications to professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0)
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and research with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0)
Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3020 CAH-PHIL 3(3,0)
Philosophy of Love: PR: Junior standing or PHI 2010, or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3022 CAH-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examines the contributions of poststructuralist and neuroanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHM 3100 CAH-PHIL 3(3,0)
Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0)

PHM 3401 CAH-PHIL 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHM 4031 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHP 3781 CAH-PHIL 3(3,0)
Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modesty in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Ronzy, and others. Occasional.

PHP 3786 CAH-PHIL 3(3,0)
Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0)

PHP 4931 CAH-PHIL 3(3,0)
Key Figures in Philosophy: PR: PHI 2010 or C.I. Study of a central figure in philosophy's work, influences, reception and effect. May be repeated for credit only when course content is different. Occasional.
PHP 4933  CAH-PHIL  3(0,3)
Key Concepts in Philosophy: PR: PH 2010 or C.I. Study the development, meaning, and implications of a central concept in Philosophy. May be repeated for credit only when course content is different. Occasional.

PHT 3069  HPA-HP  1(1,0)

PHT 3069L  HPA-HP  2(0,4)
Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112  HPA-HP  2(2,0)
Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program, CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L  HPA-HP  3(0,6)
Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. In-depth study of human anatomy of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113  HPA-HP  2(2,0)
Gross Anatomy/Neuroscience II: PR: PHT 3112L. Study of the head and neck, cranial and peripheral nerves, brain, spinal cord, cranial nerves, and the internal organs. Occasional.

PHT 3113L  HPA-HP  3(0,6)
Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHT 3122  HPA-HP  3(3,0)
Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122L  HPA-HP  3(0,6)

PHT 3155  HPA-HP  2(2,0)
Physiology of Therapeutic Exercise: PR: PR: PHT 3155; CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.

PHT 3155L  HPA-HP  2(0,4)
Physiology of Therapeutic Exercise Lab: CR: PHT 3155L. Lab course emphasizing the clinical application of exercise physiology. Occasional.

PHT 3259  HPA-HP  2(2,0)

PHT 4222  HPA-HP  2(2,0)

PHT 4222L  HPA-HP  2(4,0)
Therapeutic Exercise I Lab: CR: PHT 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230  HPA-HP  2(2,0)
Therapeutic Exercise II: PR: PHT 4222; CR: PHT 4222L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230L  HPA-HP  2(2,0)
Therapeutic Exercise II Lab: CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 5003  HPA-HP  2(0,2)

PHT 5005  HPA-HP  2(2,0)

PHT 5125  HPA-HP  2(2,0)
Clinical Kinesiology: CR: PHT 5125L. Investigates the inter- and intra-structural relationships of the human body. 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 5125L. Graduate level study in 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: PR: CR Theories and Procedures I. Lab course on the clinical applications of light, heat, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring.

PHT 5240  HPA-HP  1(1,0)

PHT 5240L  HPA-HP  2(0,4)
Physical Assessment Lab: PR: CR Physical Assessment Lab. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Fall. M&S fee $45.00

PHT 5241  HPA-HP  2(2,0)
Therapeutic Exercises I: PR: PR: PHT 4230L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring.

PHT 5241L  HPA-HP  2(0,4)
Therapeutic Exercise I Lab: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $30.00

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, dressing, gait training. Fall.

PHT 5260L  HPA-HP  2(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  2(0,2)

PHY 2020  COS-PHYS  3(0,3)
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  4(3,3)
Physics for Engineers & Scientists I: PR: MAC 2312 (or equivalent) with grade C" (2.0) or better. Mechanics, Thermodynamics, fluids. Fall, Spring. M&S fee $15.00

PHY 2048C  COS-PHYS  4(3,3)
Honors Physics for Engineers and Scientists I: PR: MAC 2312L (or equivalent) with grade C" (2.0) or better, and permission of Honors. Same as PHY 2048C with honors-level content. Fall, Spring.

PHY 2049C  COS-PHYS  3(3,3)
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  4(3,3)
Honors Physics for Engineers and Scientists II: PR: MAC 2312L 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  3(3,3)
Physics for Engineers & Scientists I: PR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. Spring, Fall. M&S fee $15.00

PHY 2053C  COS-PHYS  3(3,3)

PHY 2054C  COS-PHYS  4(3,3)
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(0,0)
Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049C. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H  COS-PHYS  3(0,0)
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(0,0)

PHY 3722C  COS-PHYS  3(1,5)

PHY 3752C  COS-PHYS  3(1,5)
UCF Courses and Descriptions

POR 2201 CAH-LANG
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
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
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

POS 3076 COS-POLS
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS

POS 3122H COS-POLS

POS 3173 COS-POLS

POS 3182 COS-POLS
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

POS 3233 COS-POLS
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
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
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 3235H COS-POLS
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3253 COS-POLS
Contemporary Revolution and Political Violence: PR: ENC 1102 or POS 2041 or C.I. Theories and causes of recent revolutionary change and political violence in the contemporary world. Occasional.

POS 3258 COS-POLS
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 3273 COS-POLS
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
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
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
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics, topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economic, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS

POS 3703 COS-POLS
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. Even Spring.

POS 3733 POS-POLS
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; qualitative methods, such as interview techniques and content analysis. Even Spring.

POS 3849 COS-POLS

POS 4030 COS-POLS
The Politics of Sports: PR: POS 2041 or C.I. Emergent 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
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
Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS
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
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 4284 COS-POLS
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

POS 4603 COS-POLS
American Constitutional Law I: 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 4604 COS-POLS
American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS
Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4941 COS-POLS
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. Credit. Occasional.

POT 3204 COS-POLS
American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POT 3302 COS-POLS

POT 4003 COS-POLS
Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.

POT 4025 COS-POLS

POT 4054 COS-POLS
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
Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxism, libertarian, and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS
Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.
REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddha and their contemporary applications. Odd Fall, Spring.

REL 3363 CAH-PHIL 3(3,0)
Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur'an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHIL 3(3,0)
Christianity: PR: REL 2300 or C.I. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3432, HUM 3435, 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 2300, 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)

REL 4178 CAH-PHIL 3(3,0)
Religion and Law: PR: POS 2041. Ideas and events which mark the relationship of religious idealization and practice, law and politics and cultural values which inform them. Odd Fall.

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Even Spring, Odd Fall.

REL 4180H CAH-PHIL 3(3,0)

REL 4496 CAH-PHIL 3(3,0)
Key Concepts in Religion and Culture Studies: PR: REL 2000, or C.I. 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 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religious Studies major, or C.I. 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 C.I. Study of a central figure's work, influences, and effect. May be repeated for credit only when course content is different. Occasional.

RET 3269C HPA-HP 4(3,0)
Mechanical Ventilation: PR: RET 3026C. Function and use of various mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(3,0)
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes internet work. Spring.

RET 3494C HPA-HP 4(3,0)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall.

RET 3717C HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3884L HPA-HP 5(0,16)

RET 3885L HPA-HP 8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation, introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)

RET 4246 HPA-HP 3(3,0)

RET 4287 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4288 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.

RET 4465C HPA-HP 4(3,0)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional.

RET 4505 HPA-HP 3(3,0)
Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

RET 4536 HPA-HP 3(3,0)
Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.

RET 4934 HPA-HP 2(2,0)
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.
RTE 4209 Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

RTE 4385 Radiobiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and tissue level of radiation are investigated. Fall.

RTE 4473 Quality Improvement: PR: Registered technologist or Senior standing. A study of the quality improvement and quality control from the perspective of radiology services. Spring.

RTE 4563 Special Radiographic Procedures: PR: RTE 3512C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

RTE 4574 Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

RTE 4579 Magnetic Resonance Imaging Protocols: PR: Senior Level status in Radiologic Sciences Program. Provides the student with fundamentals of radiography. Fall.

RTE 4762 Anatomy for the Medical Image: PR: ZOO 3733C and PCAB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall, Spring.


RTE 4834L Clinical Education IV: PR: RTE 4634L. Supervised clinical practice in radiographic/radiologic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.

RTE 4844L Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/radiologic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.

RTE 4854L Clinical Education V-B: PR: RTE 4844L. Supervised clinical practice in radiographic/radiologic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RTE 3007 Development and Structure of Electronic Media and New Technology: PR: SPC 1608 or SPC 1802C or COM 1000 C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.


RTE 3210C Production Specialization: PR: RTE 3200 and RTV 3206C - 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 $20.00

RTE 3223C Lighting for Video: PR: RTE 3222C or RTE 3260C, 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. Odd Fall, Spring. M&S fee $30.00

RTE 3228C Studio Television Production: PR: RTE 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphic techniques. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTE 3343C Production I: PR: RTE 3200 and RTV Major - Production Specialization. Audio production theory and aesthetic requirements of analog and digital 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 $15.00

RTE 3260C Production II: PR: RTE 3200 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 $92.00

RTE 3263C Advanced Video Post-Production: PR: RTE 3200C 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

RTE 3283C Production of Interactive Multimedia: PR: CGS 1060C; major status in R-TV, Ad-PR, Journalism, Organizational and Interpersonal Communication - Production specialization. Production and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $50.00

Electronic Journalism II: PR: RTV 3301, RTV 3007 or C.I.; 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.

Collaborative Experiential Learning Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a television, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

RTV 3942L COS-COMM 3(1-0-3) Practicum: PR: C.I., RTV Major, and either RTV 3200C, RTV 3220C, or RTV 3260C. 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.

Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and commercial aspects. Students will expect significant work in the RTV lab facility outside of class. Fall. Spring. M&S fee $30.00.

Audio Production I: 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.

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.

Webcasting I: PR: RTV Major and PR or CR: RTV 3260C. Presentation of broadcast material on the web. Integrates the 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.

Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV 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.

Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $20.00.

Advanced TV News: PR: RTV 4200C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

Electronic Media, Technology, and Society: PR: RTV 3007 or C.I. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

Sports Programming in Electronic Media: PR: Either SPC 1608, COM 3000, RTV 3007, or C.I. Faculty that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

Program Issues for TV & Motion Pictures: PR: RTV 3307 or PR 2300 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.

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.

Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

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.

Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.


Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocational topics through a systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

Russian Culture and Civilization: PR: ENC 1101 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.


Teaching Science: PR: EDG 4140 or C.I. CR: EDE 3942.Selected concepts; strategies for success in college; PR: First Time in College (FTIC) standing or C.I. Development of life skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

Issues and Methods in Secondary School Science: PR: 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 to middle and high school science curriculum. Fall, Spring.

Space and Physical Science for Educators: PR: Graduate standing in C.I., Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.


Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, concepts, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

Psychology of Prejudice: PR: 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.

Psychology of Women: PR: 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.

Legal Aspects of Psychology: PR: PSY 2012 or 5YG 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.
UCF Courses and Descriptions

SOP 3784 COS-PSYCH 3(3,0) Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.

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 bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0) Assessing II: Human Systems: PR: Admission to BSW Program and SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.

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 3352 HPA-SOWK 3(1,2) Practice II: Interpersonal Skills in Social Work: PR: SOW 3300. PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0) Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0) Social Work with Diverse Populations: PR: SOW 3284 and SOW 3104; PR or CR: SOW 3300. Social work intervention 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(0,0) Social Welfare Policies and Issues: PR: SOW 3284. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. Fall.

SOW 4283 HPA-SOWK 3(0,0) 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(0,0) Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of general social work practiced with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(1,2) 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 experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. 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 improving 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 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 3620 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 5105 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 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, 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 5149 HPA-SOWK 3(3,0) Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Throughout analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5175 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces 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 5381 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 5335 HPA-SOWK 3(3,0) Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

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 government 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 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.
SOW 5533 HPA-SOWK 2(2,0)
Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded SU. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5533. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded SU. Fall.

SOW 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: Graduate standing or C.I.; CR: SOW 5530. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded SU. Occasional.

SOW 5539 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5536. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded SU. Occasional.

SOW 5546 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded SU. Spring.

SOW 5565 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5530; CR: SOW 5536. Field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded SU. Occasional.

SOW 5566 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5566. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded SU. Occasional.

SOW 5567 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar III: PR: SOW 5566. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded SU. Occasional.

SOW 5624 HPA-SOWK 3(3,0)

SOW 5625 HPA-SOWK 3(3,0)

SOW 5642 HPA-SOWK 3(3,0)
Aging In Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SPA 3002 HPA-COM SC&DIS 3(3,0)

SPA 3011 HPA-COM SC&DIS 3(3,0)
Speech Science I: Production: 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.

SPA 3011L HPA-COM SC&DIS 1(0,1)
Speech Production lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded SU. Fall, Spring.

SPA 3101 HPA-COM SC&DIS 3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104 HPA-COM SC&DIS 3(3,0)
Neural Bases of Speech and Hearing: PR: or CR: SPA 3471L. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.

SPA 3112 HPA-COM SC&DIS 3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3112L HPA-COM SC&DIS 1(0,1)
Basic Phonetics Lab: CR: SPA 3112L. Practice in the transcription of normal and deviant speech samples. Graded SU. Fall, Spring.

SPA 3123 HPA-COM SC&DIS 3(3,0)

SPA 3123L HPA-COM SC&DIS 1(0,1)
Speech Perception Lab: CR: SPA 3123L. Laboratory techniques used in investigating human speech perception. Graded SU. Fall, Spring.

SPA 3412 HPA-COM SC&DIS 3(3,0)
Brain Stories: A Communication Disorders Perspective: CR: SPA 3412 (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.

SPA 3471 HPA-COM SC&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 family changes as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/cultural and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 4032 HPA-COM SC&DIS 3(3,0)

SPA 4241 HPA-COM SC&DIS 3(3,0)

SPA 4321 HPA-COM SC&DIS 3(3,0)

SPA 4326 HPA-COM SC&DIS 3(3,0)
Hearing Disorders Across the Lifespan: PR: SPA 3123, SPA 4326 and Senior Standing, or C.I. Primary and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. Fall, Spring.

SPA 4400 HPA-COM SC&DIS 3(3,0)
Language Disorders Across the Life Span: PR: LIN 3716, Senior Standing, or C.I. Evolutionary, etiologic, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: 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.

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716, Senior Standing, or C.I. Communication and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(3,0)
Undergraduate Clinical Practicum: PR: SPA 4400 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&? fee $45.00.

SPA 4555 HPA-COM SC&DIS 3(3,0)
Practicum in Communication Disorders: PR: SPA 3471 or C.I. Practical interviewing and counseling in the area of communication disorders. Fall, Spring.

SPA 4580 HPA-COM SC&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.

SPA 4634 HPA-COM SC&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.

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2000. Approaches, methods, and techniques of research in Communication Sciences and Disorders considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: PR: or CR: All required CS&D courses. Integration of essential concepts in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0)
Community Internship: PR: SPA 4400 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: Junior or senior 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.

SPA 5554 HPA-COM SC&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. Fall, Spring.
SPB 3003 BA-BUS 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.

SPB 3503 BA-BUS 3(3,0)
Ethics in Sport Business: PR: SPB 3003 with a “C” (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.

SPB 3603 BA-BUS 3(3,0)
Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (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.

SPB 3823 BA-BUS 3(3,0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. Analyzing business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4104 BA-BUS 3(3,0)
Intercollegiate Sport Industry: PR: SPB 3003 with a “C” (2.0) or better. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.

SPB 4204 BA-BUS 3(3,0)
Professional Sport Industry: PR: SPB 3003 with a “C” (2.0) or better. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304 BA-BUS 3(3,0)
Sports Event and Facility Management: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (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.

SPB 4404 BA-BUS 3(3,0)
Sport Business Law: PR: SPB 3003 with a “C” (2.0) or better. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804 BA-BUS 3(3,0)
Sport Business and Media: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.

SPC 1603C COS-COMM 3(1.5,1.5)
Fundamentals of Technical Presentations: PR: Permission of Honors. Students whose majors require this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H COS-COMM 3(3,0)

SPC 1608H COS-COMM 3(3,0)
Honors Fundamentals of 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)
Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program or a minor or minor. 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 the process and the individuals involved. Analysis of communication models, interaction behavior, situational cues, verbal and non-verbal messages. 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. A review of current research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0)
Group Dynamics: PR: or CR: COM 3311, or C.I. A study of small group processes with emphasis on the development of interpersonal relationships. Fall, Spring.

SPC 4540 COS-COMM 3(3,0)
Attitudes and Communication: PR: or CR: COM 3311, or C.I. A survey of the direct and indirect ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-CFCFS 3(3,0)
Aquatix Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCFS 3(3,0)
Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCFS 3(3,0)
Public Relations in Sport and Exercise Science: PR: Permission of Honors. Principles and applications of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-CFCFS 3(3,0)
Fiscal and Facilities: Issues in Sport and Exercise Science: PR: A 3005. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 4723 ED-CFCFS 3(3,0)
Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-CFCFS 3(3,0)
Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership, administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-CFCFS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCFS 3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduction to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1121C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1150C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG 3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency. Emphasis on correctness in speaking at the intermediate level. Occasional.
SPN 2241 CAH-LANG 3(3,0)

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 2511 CAH-LANG 3(3,0)
Modern Spanish Civilization/Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day sociocultural trends and realia are essential components of this course. Occasional.

SPN 3140 CAH-LANG 3(3,0)
Business Spanish I: PR: SPN 2200 and SPN 2201. Basic business terminology, business culture, and business topics related to the Hispanic World. Even Fall.

SPN 3141 CAH-LANG 3(3,0)

SPN 3142 CAH-LANG 3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPN 3234 CAH-LANG 3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3343 CAH-LANG 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPN 3345 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I. Emphasizing the remaining grammatical topics and composition skills. Spring.

SPN 3402 CAH-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive 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 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.
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: SPW 3160, SPW 3420 and SPW 3300, or C.I. Main literary currents and works of the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPW 3760, SPW 3420 and SPW 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3120 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPW 3760, SPW 3420 and SPW 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPW 3760, SPW 3420 and SPW 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. Texts selected are studied not 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, Alonso, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3311 or SPW 3421 or SPW 3422 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 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. Covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3131 or SPW 3132 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) Cervantes: PR: SPW 3100 or C.I. Don Quijote. 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 Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis of literary and historical 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 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern 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 5785 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 Jewish literature. Fall, Spring.

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 and SSE 4096. CR: SSE 3940. Analysis 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 majors. Fall.

SSE 5391 ED-TL&L 3(3,0) Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical understanding of teaching and 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. Explores 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) Manager and Instructor 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: binomial principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MAC 2312 or MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and interpreting them. With honors content. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics concepts, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3052 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4153 and knowledge of a programming language. Use of packages such as SASE, SAS, S-PLUS 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 4130 or STA 3158. Economics of insurance, utility theory, single premium reserves. Net annual premium and net premium reserves. Fall.

### UCF Courses and Descriptions

STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2032 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(0,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(0,0) 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(0,0) Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forderivative strategies. Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(0,0) Theory of Derivative Pricing: PR: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo simulations, Brownian motion, interest rate models. Spring.


STA 4321 COS-STAT 3(0,0) Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability, random variables, continuity and discontinuity of random variables, moment generating functions, transformations, jointly distributed random variables. Fall.


STA 4502 COS-STAT 3(0,0) 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(0,0) Categorical Data Analysis: PR: STA 4163. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. Occasional.


STA 4664 COS-STAT 3(0,0) Statistical Quality Control: PR: STA 2032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.

STA 4672 COS-STAT 3(0,0) Actuarial Statistical Methods: PR: STA 2023 and STA 4183. Regression and time series analysis of insurance and financial data. Occasional.


STA 4852 COS-STAT 3(0,0) Applied Time Series: PR: STA 4163. Forecasting methods, ARIMA models, seasonal and nonseasonal time series, ARIMA models, forecasting processes. Occasional.

STA 4904 COS-STAT 3(0,0) Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 5045 COS-COMM 3(0,0) Statistical Analysis of Communication Data: PR: STA 2022 or C.I. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; and one and two sample tests; ANOVA, categorical data analysis. Fall, Spring.

STA 5104 COS-STAT 3(0,0) Advanced Comp. Modelling and Forecasting of Statistical Data: 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.

STA 5139 COS-STAT 3(0,0) Credibility Theory and Loss Distribution: PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact and approximate credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5175 COS-STAT 3(0,0) Biometry: 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.

STA 5176 Introduction to Biostatistics: PR: STA 4323 or STA 4174. Graduate status of senior standing, or CI. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(0,0) Experimental Design: PR: STA 4164, STA 5006 or ESL 5219. Graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication, incomplete block designs, factorial and fractional designs, design resolution. Spring.

STA 5206 COS-STAT 3(0,0) Statistical Analysis: 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 hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(0,0) Categorical Data Methods: PR: STA 4315 or STA 5206. Graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.


STA 5703 COS-STAT 3(0,0) Data Mining Methodology I: PR: STA 5104 and knowledge of a programming language; or STA 4163 or STA 4322. An introduction to data mining to uncover valuable information about SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.


STA 5948 COS-STAT 3(0,0) Actuarial Science Practice: PR: STA 4183 or STA 6138. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.


SYA 3110 COS-SOC 3(0,0) Social Theory: PR: SYG 2000 or C.I. Theories and sociological approaches to social behavior. The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3400C COS-SOC 4(1,1) Applied Social Statistics: PR: SYG 2000 or C.I. Application of statistical techniques to sociological data as used in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C COS-SOC 4(2,2) Research Methods: PR: SYG 2000 or C.I. Sociological data collections, sampling techniques, grant proposal development, the writing of research propositions, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC 3(0,1) Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 4(2,2) Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced statistical research and development of research skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.


SYA 5625 COS-SOC 3(0,0) ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.


SYD 3700 COS-SOC 3(0,0) Race and Ethnicity: 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.

SYD 3800 COS-SOC 3(0,0) Sex and Gender in Society: 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.

SYD 4510  COS-SOC  3(3,0)  Women in Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Emphasizes the sociological understanding of the status of women in the context of major social institutions (e.g., family, education, religion, economy, and politics). Fall, Spring.


SYG 2000  COS-SOC  3(3,0)  Introduction to Sociology: PR: Consent of Honors or C.I. A sociological examination of the relationships between communities, societies, and the environment. Occasional.

SYG 2000H  COS-SOC  3(3,0)  Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of sociology. Emphasizes concept development, and standards are greater than for the standard General Sociology. Fall, Spring.


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. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. 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 parapathological groups; socioeconomic variables 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. Examines the social aspects of community development and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYO 4400  COS-SOC  3(3,0)  Medical Sociology: 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 4402  COS-SOC  3(3,0)  Sociology of Health and Illness Behavior: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Social construction of health and illness, and social factors that shape health and illness behavior (e.g., subjective experience of illness, patient-doctor interaction, and coping with disability). Occasional.


SYP 3300  COS-SOC  3(3,0)  Fads, Crowds, and Social Action: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.


SYP 3511  COS-SOC  3(3,0)  Sociology of Murder: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYP 3520  COS-SOC  3(3,0)  Criminology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Chief causes of anti-social behavior and current methods of prevention and reduction of hereditary and environmental, prevalence of delinquency and crime, penal institutions. Fall, Spring.

SYP 3530  COS-SOC  3(3,0)  Juvenile Delinquency: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Types of delinquency behavior found among juveniles; probable causes and ways society attempts to treat the various forms of delinquency. Occasional.


SYP 3630  COS-SOC  3(3,0)  Popular Culture In Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.

SYP 3650  COS-SOC  3(3,0)  Sports and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

THE 4285 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C, THE 3312, and THE 4284. Costumes, architecture and decor from the English Renaissance to the present. Occasional.

THE 4423 CAH-THEA 3(3,0)
Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women’s contributions to theatre. Occasional.

THE 4543 CAH-THEA 3(3,0)
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist’s impact on theatrical art forms. Occasional.

THE 4543H CAH-THEA 3(3,0)

THE 4954 CAH-THEA 0(0,0)
Theatre Exit Critique: PR: Theatre Major; Senior Standing; completion of departmental exit critique. Graded S/U. Fall, Spring.

THE 5205 CAH-THEA 3(3,0)

THE 5215 CAH-THEA 3(3,0)
Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. Occasional.

THE 5237 CAH-THEA 3(3,0)
Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0)
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon critical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0)
Period Costumes, Architecture and Décor I: PR: Admission into MFA Design track. Costumes, architecture and décor from antiquity to the renaissance. Fall.

THE 5289 CAH-THEA 3(3,0)

THE 5307 CAH-THEA 3(3,0)

THE 5385 CAH-THEA 3(3,0)
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA 3(3,0)
Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.

THE 5545 CAH-THEA 3(3,0)

THE 5910 CAH-THEA 3(3,0)
Research Methods: PR: CUIP/MA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.
TPA 4066C CAH-THEA 3(2,2) Advanced Scenography: PR: "C" (2.0) or better in TPA 2100L, TPA 2250C, TPA 2252L, or TPA 3202C. Project based work in student's area 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(2,2) Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 2224C. 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 2(2,2) CADD for Theatre: PR: Design and Technology or Stage Management major, "C" (2.0) or better in TPA 2265C. Computer-aided drafting and design and its application for Theatre. Occasional. M&S fee $23.00

TPA 4251C CAH-THEA 2(2,2) Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $43.00

TPA 4264C CAH-THEA 3(2,2) 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 4298L CAH-THEA 1(0,VAR) Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4354C CAH-THEA 3(3,4) Advanced Topics in Technical Theatre: PR: C (2.0) 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/ Tech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0) Advanced Stage Management: PR: B.F.A. Stage Management major. C (2.0) or better required in TPA 3501L. 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. Project oriented course in the advanced study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2) Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,0) Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPP 4142C CAH-THEA 3(2,2) Acting Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: “C” (2.0) or better in TPP 3103 or TPP 4340C. 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 2100L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 6 times. Fall, Spring. MEL fee $48.00

TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: “C” (2.0) or better in TPP 2100C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA 3(2,2) 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. Fall.

TPP 4243C CAH-THEA 2(2,2) Circus Arts: PR: Theatre major or minor; “C” (2.0) or better in TPP 2101L, TPP 2110C and THE 2081C or THE 2000. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor, “C” (2.0) or better in TPP 2101L, TPP 2110C and THE 2081C. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and “C” (2.0) or better in TPP 3525 and TPP 3526C. Advanced work in cabaret/person-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259C CAH-THEA 2(2,2) Musical Theatre Voice III: PR: “C” (2.0) or better in TPP 3528C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(3,2) Camera Acting: PR: “C” (2.0) or better in TPP 4142C. Application of previous active training to the TV/Film medium. Occasional.

TPP 4268C CAH-THEA 3(2,2) Acting VII Advanced Acting For TV/Film: PR: “C” (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2) Musical Theatre Voice V: PR: “C” (2.0) or better in TPP 4923C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2) Musical Theatre Voice VI: PR: “C” (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,0) Advanced Directing for Theatre: PR: “B” (3.0) or better. Advanced course in TPP 5310C. Practical experience directing class scenes and projects. Spring.

TPP 4512C CAH-THEA 2(2,2) Stage Combat: PR: BFA Acting or Musical Theatre major, grade of “C” (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4531C CAH-THEA 2(2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 4142C or TPP 4730C. Development of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,1) Periods: PR: Grade of “C” (2.0) or better required in TPP 3711C. Analysis of dialects and regionalisms, focusing on the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2) Musical Theatre Repertoire: PR: Theatre major and “C” (2.0) or better in TPP 4256C. Advanced musical theatre repertoire study 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 Acting II: PR: Grade of “C” (2.0) or better in TPP 4256C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylistization 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 self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 2(2,2) Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 2(2,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with an emphasis on the works of Ibsen/Chekhov/Shaw. Spring.

TPP 5246C 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 MFA Program or C.I. Application of storytelling as an art form. 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 5288C 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 5910 and THE 5865. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(0,0) Movement Studio II: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1) Movement Studio I: 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 unarmed combat. Spring.


TPP 5555C CAH-THEA 2(2,4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1) Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, review of Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 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.

TLS 3346 CAH-LANG 3(3,0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TLS 4080 ED-TL&L 3(3,0) Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focus 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.


TLS 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TLS 3346 and C.I. Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TLS 4942 ED-TL&L 3(3,0) ESL Field Experience: PR: TLS 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 4945 ED-TL&L 3(3,0) ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Application of research and theory to 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 Classroom: PR: Admission to College of Education and Human Performance Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 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. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5380 CAH-LANG 3(3,0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer 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 to understand their special needs. Occasional.

TSL 5600 CAH-LANG 3(3,0) Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considers lexical issues encountered by second language learners, explores best practices for learners and their teachers and examines current research in 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) Highways: PR: STA 3032 with a grade of “C” (2.0) or better. 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 include safety, Intelligent Transportation Systems, and airport transportation. Fall, Spring.

TTE 4600 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 of traffic engineering, traffic analysis, and highway design. Includes traffic operations on highways and streets. Work on real traffic operations project and report results in class. Fall.

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: ECS 401C. Pavement design by load wheels, 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, COS 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 1201 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 attempts to the great civilizations of medieval times. Fall, Spring.

WOH 1201H 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 2222 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 2222H 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.

WOH 4272 CAH-HIST 3(3,0) Age of Atlantic Revolutions 1763-1826: PR: 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) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM 3(3,0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(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) Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. Occasional.

WST 3500 CAH-WOM 3(3,0) Gender Issues and Community Activism: PR: ENC 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 feminism, 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.

WST 3621 CAH-WOM 3(3,0) Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0) Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.

WST 4021 CAH-WOM 3(3,0) Girls and Leadership: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.

WST 4022 CAH-WOM 3(3,0) Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.

WST 4349 CAH-WOM 3(3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WST 4415 CAH-WOM 3(3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multi-cultural perspective, combined with global feminist activism. Service learning component. Occasional.

WST 5347 CAH-WOM 3(3,0) Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3,0) Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 315C 3(1,4) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00.

ZOO 3733C 3(3,0) Comparative Vertebrate Anatomy: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00.
UCF Courses and Descriptions


ZOO 3733C COM-M&M 4(3,3) Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00


ZOO 3744 COM-M&M 3(3,0) Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall. Spring.

ZOO 3755C COM-M&M 4(3,1) Introductory Histology: PR: PCB 3703C or ZOO 3735C or equivalent. Basic principles of tissue staining techniques, microscopy, cellular structure and other basic concepts. An introduction to the formation and structure of the four basic human tissues: Epithelium, Connective, Muscle & Nervous. Familiarizes students with normal cells, tissues structure and ultrastructure imaging. Odd Fall. Odd Spring.


ZOO 4310C COS-BIOL 4(2,6) Vertebrate Evolution & Ecology: PR: A "C" (2.0) or better in all the following: BSC 2010C, BSC 2011C, PCB 3044, and PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee $65.00

ZOO 4480 COS-BIOL 4(4,0) Mammalogy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 4513 COS-BIOL 3(3,0) Animal Behavior: PR: A "C" (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanisms of behavior and evolutionary explanations. Odd Fall.

ZOO 4603C COS-BIOL 5(3,4) Embryology/Development: PR: A "C" (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&S fee $22.00


ZOO 4743C COM-M&M 4(3,1) Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.


ZOO 4750C COM-M&M 4(3,2) Clinical Neuroscience: PR: ZOO 3744 or ZOO 4740C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropathology, and neurdiagnostics. Spring.

ZOO 4753C COM-M&M 4(3,3) Vertebrate Histology: PR: ZOO 3733C. Macroanatomical 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 5456C COS-BIOL 4(2,6) Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&S fee $25.00

ZOO 5463C COS-BIOL 4(2,4) Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservator 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. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.

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 5748C COM-M&M 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-M&M 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, neuro-oncology, neuroimmunology, neuropathology, and neurdiagnostics with Honors consent. Spring.

ZOO 5750C COM-M&M 3(3,0) Vertebrate Anatomy: 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, neuro-oncology, neuroimmunology, neuropathology, and neurdiagnostics. Spring.
BISHOP, CORRINE G., Assistant Librarian (2008), B.A., M.L.I.S. (Florida State University)
BLACK, DAVID, Instructor of Hospitality Management (2012), Ph.D. (Indiana University)
BLACKWELL, CHRISTOPHER, Assistant Professor, College of Nursing (2004), C.N.E., B.S.N., M.S.N., Ph.D. (University of Central Florida)
BLAIR, RICHARD, Assistant Professor of Chemistry (2007), B.S., M.S., Ph.D. (University of California at Los Angeles)
BLAIR, TIMOTHY R., Professor, College of Education and Human Performance (1990), B.S., M.S., Ph.D. (University of Illinois)
BLEDSOE, ROBERT L., Visiting Instructor and Professor Emeritus of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)
BLENCE, CARL, Instructor of Management (2006), B.S., M.B.A. (Moomouth University)
BLESSETT, BRANDI, Assistant Professor of Public Administration (2020), Ph.D. (Old Dominion University)
BLESSEND, LEWIS, Instructor, College of Education and Human Performance (2005), B.A., M.S., Ed.Ms., Ph.D. (Culrin University)
BOARDMAN, LORI, Professor of Obstetrics and Gynecology (2008), M.D. (Columbia University)
BOHIL, COREY, Assistant Professor of Psychology (2011), Ph.D. (University of Texas)
BOHM, ROBERT M., Professor of Criminal Justice (1995), A.B., M.A., Ph.D. (Florida State University)
BOLANO-DELAHOZ, ALVARO, Visiting Lecturer of Mathematics (2001), Ph.D. (University of Montana)
BOLONI, LANDISLAU, Associate Professor of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Purdue University)
BOOTE, DAVID N., Associate Professor, College of Education and Human Performance (2005), B.Ed., B.S., M.A., Ph.D. (Simon Fraser University, British Columbia, Canada)
BORDE, STEPHEN F., Associate Professor of Finance (1998), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)
BORGON, ROBERT, Assistant Professor (2007), Ph.D. (University of Tennessee)
BOSKY-WETZEL, ELLA, Associate Professor (2007), B.S., M.P.S., Ph.D. (University of Illinois)
BOTTORFF, TIMOTHY J., Head, Universal Orlando Foundation Library at Rosen and Assistant Librarian (2004), B.A., M.L.I.S. (University of Pittsburgh)
BOUGEIOS-SERRANO, ILEANA, Visiting Instructor of Spanish (2010), B.A., M.A. (University of South Florida)
BOWDON, MELODY A., Director, Faculty Center for Teaching and Learning and Associate Professor of Writing & Rhetoric (1999), B.A., M.A., Ph.D. (University of Arizona)
BOWERS, CLINT, Professor of Psychology (1996), B.S., M.A., Ph.D. (University of South Florida)
BOYD, BELINDA, Associate Professor of Theatre (2002), B.S., M.F.A. (University of Louisville)
BRADEL, NANCY, Instructor, College of Education and Human Performance (1999), B.S., M.Ed. (University of Central Florida)
BRENNER, BRADLEY M., Associate Professor of Economics (1984), B.A., M.A., Ph.D. (Tulane University)
BREITNER, DEBORAH, Professor of Communication and Conference Management and Professor of Hospitality Management (2000), B.S., M.P.S., Ph.D. (University of South Carolina)
BRENNAN, JOSEPH P., Professor of Mathematics and Secondary Joint Professor, Nanoscience Technology Center (2006), B.A., Ph.D. (University of Illinois at Urbana-Champaign)
BRIGGER, THOMAS, Professor, College of Education and Human Performance (1996), B.A., Ph.D. (Florida State University)
BRITT, DANIEL, Professor of Physics (2003), Ph.D. (Brown University)
BRODIE, LYMAN A., Associate Vice Provost, Professor of Music (1990), B.A., M.M.E. (University of North Texas)
BROOKS, LISA, Instructor, College of Education and Human Performance (2006), B.S., M.Ed. (University of Central Florida)
BROPHY, JAMES C., Lecturer of Psychology (2006), B.A., Ph.D. (Vanderbilt University)
BROTHERTON, MARK W., Assistant Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)
BROWN, JAMES C., Instructor of Theatre (2004), B.F.A., M.F.A. (San Diego State University)
BROWN, TIMOTHY F., Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of South Carolina)
BRUCKNER, THOMAS, Lecturer of Physics (2004), B.S., Ph.D. (Montana State University)
BRUNSON, RICK, Instructor of Communication (2003), B.A., M.A. (University of South Florida)
BRYAN, MATTHEW, Instructor of Writing & Rhetoric (2009), B.A., M.F.A. (University of Central Florida)
BRYER, THOMAS, Assistant Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)
BUCKLEY, JULIE, Assistant Professor of Economics (2007), B.A., M.S.W., Ph.D. (Florida State University)
BUNN, SUZAN, Internship Coordinator/Instructor of Hospitality Management (2006), B.A., M.S. M (University of Central Florida)
BURG, MARY ANN, Associate Professor of Social Work (2010), B.A., M.S.W., Ph.D. (University of Florida)
BURL, JOYCE, Instructor, College of Nursing (2010), R.N., A.H.N.-B.C., Ph.D. (University of Central Florida)
BURRELL, JASON E., Instructor of SVAD (2002), B.A., M.F.A. (University of Cincinnati)
BUSHY, ANGELINE A., Bert Fish Emeritus Chair and Professor, College of Nursing (1995), F.A.A.N., M.N., Ph.D. (University of Texas)
BUTLER, MALCOLM, Associate Professor, College of Education and Human Performance (2012), B.S., M.Ed. (University of Florida)
BUTLER, S. KENT, Associate Professor, College of Education and Human Performance (2007), B.A., M.A., PhD. (University of Connecticut)
BUTTERFIELD, DAVID, Instructor of English (2003), B.S., M.S., A.B., M.A., Ph.D. (University of California, Berkeley)
BYRD, ANTHONY K., Chair and Associate Professor of Finance (1993), B.S., M.B.A., Ph.D. (University of South Carolina)
CABRERA, CHERYL, Assistant Professor of SVAD (2009), M.F.A. (Savannah School of Art and Design)
CALABRESE, MARK, Instructor of Industrial Engineering (2004), B.S.E., M.S.E. (University of Central Florida)
CAMPBELL, JAMES, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Notre Dame)
CAMPIGLIA, ANDRES, Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)
UCF Faculty

CROFTON, DANIEL, Courtesy Assistant Professor of Medical Education (2007), M.D.

CRONON, CHRISTOPHER, Instructor (2011), B.A., M.A., J.D. (University of Florida)

CULP, ANNE MCDONALD, Professor, College of Education and Human Performance (2009), B.S., M.A., Ph.D. (University of Kansas)

CULP, REX, Professor, College of Education and Human Performance (2005), B.A., M.A., Ph.D. (University of Kansas)

CUTY-RUIZ, LAURA, Director, Clinical Skills Lab and Assistant Professor of Medical Education (2008), Ph.D. (University of Alabama)

DA VITORIA LOBO, NIELS, Associate Professor of Electrical Engineering and Computer Science (1990), B.Sc., M.Sc., Ph.D. (University of Toronto)

DACEY, AUSTIN, Lecturer of Philosophy (2012), B.A., M.A., Ph.D. (Bowling Green State University)

DAGHER, SAMIR P., Lecturer of Management (2011), B.B.A., M.B.A. (Ohio State University)

DAGLEY, MELISSA, Executive Director of ISTEM, COS/CCECS (2001), Ed.D. (University of Central Florida)

DAIRE, ANDREW, Assistant Dean for Research and Associate Professor, College of Education and Human Performance (2001), B.S., M.S., Ph.D. (Florida State University)

DANDROW, EDWARD, Instructor of History (2007), B.A., M.A. Ph.D. (University of Chicago)

DANIELSSON, PER, Assistant Professor of Music (2007), B.A., M.M. (University of South Florida)

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BERRY, ANDREA, Director, Faculty Development, College of Medicine (2009), M.P.A. (Grand Valley State University)

BERSIA, JOHN, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

BISHOP, RHONDA, Chief Compliance and Ethics Officer (2011), M.B.A. (Virginia Commonwealth University)

BOHLEN, PATRICK, Director, Landscape and Natural Resources and Arboretum and Professor of Biology (2010), B.S., M.S., Ph.D. (Ohio State University)

BORDEN, M. PAIGE, Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)

BOSTON, BELINDA, Assistant Vice President, Student Development and Enrollment Services (2004), B.S., M.S. (Western Illinois University)

BOYD, BRIAN, University Registrar (2006), B.S., M.B.A. (University of Wisconsin-Milwaukee)

BRADFORD, DEBORAH, Director, Enrollment Services, UCF Regional Campuses (1996)

BRADLEY, LINDA, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

BRADY, PAMELA A., Director, Student Services, Western Region (1999), A.A., B.A. (University of Central Florida)

BRICE, ROANNE, Director of Assessment, Accreditation and Data Management, College of Education and Human Performance (2004), B.A., M.A., Ph.D. (University of Central Florida)

BRIGGS, THOMAS, Director, Environmental Health and Safety (2012), B.S. (SUNY College of Environmental Science and Forestry)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHAPMAN, DIANE Z., Executive Vice Provost and Professor of Anthropology, University Pegasus Professor (1984), B.A., Ph.D. (University of Pennsylvania)

CHAVOS JR., GORDON D., Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)

COHEN, BO, Assistant Professor of Physics (2011), Ph.D. (Northwestern University)

CHEREPOW, SANDRA M., Senior Administrative Assistant to the President (1970), A.A. (Becker Junior College)

CLARK, TRACY, Assistant Vice President for Finance and Controller (2007), B.B.A., J.D. (University of Central Florida)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S.J.D. (University of Florida)

COLEMAN, ROBERT, Director, Faculty Development and Sorority Life (2012), B.A., M.Ed. (University of Texas)

CONSTANTINO, PAUL, Director, Activity and Service Fee Business Office (2007), A.S., B.S. (State University of New York College at Brockport)

DAVIS, JAMES, Director, Facilities Planning and Construction (2003), B.D., M.S. (University of Tennessee)

デ奇肯, MICHAEL, Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)

DOWLING, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DORNER, JOYCE E., Interim Vice Provost of Regional Campuses (1960), M.S.N. (University of Florida)

DULLAUGHAN, PATRICIA, Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)


ECKERN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo Florida)

FERNANDEZ, JOSE B., Dean, College of Arts & Humanities, and Pegasus Professor of History and Spanish (1981), B.A., M.A., Ph.D. (Florida State University)

FRUMKIN, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

GEOGRIGIOPOULOS, MICHAEL, Internal Auditor, College of Engineering and Computer Science, Professor of Electrical Engineering and Computer Science, Professor of Electrical Engineering and Computer Science (1986), D.I.P.I., M.S., Ph.D. (University of Connecticut), P.E. (Greensboro)

GERMAN, DEBORAH C., Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

GLASPIE, HENRY, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)

GONZALEZ, LYNN, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)

GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.B.S.A. (University of Central Florida)

GUMBLE, MARK, Assistant Vice President, Student Development and Enrollment Services (2005), B.A., M.A. (Binghamton University)

HALL, RHONDA C, Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Wellness and Health Promotion Services (2005), B.S., M.S. (Florida State University)

HANSEN, LYNN, Executive Director, Career Services (2008), A.A., B.B.S., M.Ed. (University of West Florida)

HARMS, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARTMAN, JOEL L., Vice Provost and Chief Information Officer, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Executive Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)

HELMs, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HENRY, KIRK, Director I.T. Services, UCF Regional Campuses (2010)

HESTON, GRANT J., Associate Vice President, Communications and Public Affairs (2007), B.S. (University of Florida)

HINKLE, ROSS, Interim Vice Provost, Dean of the College of Graduate Studies, and Chair and Professor of Biology (2009), Ph.D. (University of Tennessee)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)
 Vice President, University Relations


HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation. (1998), B.A., M.A. (University of Maine)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)

HOPE, THOMAS L., Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)

HOWSE, PEGGY, Director, Business Services (2002), B.A., M.A. (Florida International University)

ISAAC, ULLA, Interim Director, Office of Experiential Learning (1998), B.A., M.S. (State University of New York at Albany)

JACKSON, DUSTIN, Interim Director, Sustainability and Energy Management (2005), B.S.M.E. (University of Central Florida)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (2007), B.A., M.A. (Dallas Theological Seminary)

JARLEY, PAUL, Dean, College of Business Administration (2012), B.A., M.A. Ph.D. (University of Wisconsin-Madison)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), LL.M., J.D. (University of Florida)

JEFFERSON, ALLISON G., Executive Director of Administration, College of Education and Human Performance (1999), B.S., M.S. (Northwestern University)

JOHNSON, MICHAEL D., Dean of College of Sciences and Professor of Physics (1990), B.S., Ph.D. (University of Virginia)

JONES, TRACY R., Assistant Dean, Graduation Services, 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. (James Madison University)

KANN, KIERA, Director, First-Year Experience (2012), B.A., M.Ed. (University of Virginia)

KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)


KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

LANCEY, PATRICIE, Director, Operational Excellence and Assessment Support (2002), B.A., M.A., Ph.D. (Wayne State University)

LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2001)

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LEINSING, DONNA, Executive Director, UCF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)

LEUNER, JEAN, Dean and Professor, College of Nursing (2002), B.S.N., M.S.N., Ph.D. (Boston College)

MACKEY, BERNARD A., Director, Office of Pre-Professional Advising (2009), B.F.A., M.A., Ph.D. (University of Florida)

MacKOWN, PATRICIA A., Associate Vice President, Student Development and Enrollment Services (1999), B.A., M.A. (University of Central Florida)


MALARET, STACEY, Director, Student Leadership Development (2001), B.A., M.A., Ed.D. (University of Central Florida)

MASON, GREGORY S., Director, Fraternities & Sororities Housing and Development (1990), B.A., M.S. (Indiana University)

MASSEY, KIMYA, Director, Academic Services for Student Athletes (2011), B.S., M.S. (Michigan State University)

McCLODD, REBEKAH, Director, Student Development and Enrollment Services TRIO Programs (1994), B.A., M.Ed. M.S. Ed.D.

MCKINNEY, MARY, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (University of Central Florida)

MEALOR, DAVID, Associate Vice President and Director, UCF Healthrow and UCF Sanford/Lake Mary (1983), 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, Interim Director IT Services, UCF Regional Campuses (2006)

MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2006), B.A., M.A., Ph.D. (Texas Christian University)

MOORE, RHONDA, Director, Creative School for Children (2003), B.A., M.Ed. (Virginia Commonwealth University)

MORGAN, JEFFERY, Director, Emergency Management (2008), B.S., M.A. (American Military University)

NEIGHBOR, J. EDWARD, Vice Provost, Space Planning, Analysis, and Administration and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NORBURN, CHARLES, SDES Division IT Manager (2007), A.S., B.S., M.B.A. (University of Central Florida)

NORVELL, DAVID, Assistant Vice President, Facilities (2002), B.S.M.E. (University of Central Florida)

O’NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., M.B.A. Ph.D. (University of Central Florida)

O’CONNELL, STEPHEN, Director, First Year Advising and Exploration (2011), 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)

ORO, GLENN, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)

ORTIZ, VIVIAN J., Director of Project Management, Student Development and Enrollment Services (2004), B.A., M.A., Ed.Ms. (University of Louisville)

PAVLONIS, DAVID L., Assistant Vice President, Student Development and Enrollment Services (1999), B.S., M.S. (University of Tennessee)

PAYNE, RICHARD S., Assistant Vice President, SMCA Operations (2003), B.S., M.B.A. (University of Central Florida)

PETRIER, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, Marketing and Outreach (2008), B.S., M.S. Ed. (Pittsburgh State University)

PETKOV, ANA, Director, Constituent Relations (2009), B.A., M.A. (University of Central Florida)

PIETY, REBECCA, Director, Student Academic Resource Center and University Testing Center (2010), B.A., M.A. (University of Central Florida)

PITTMAN, JOHN C., Assistant Vice President, Debt Management (2000), B.S., M.S. (University of Central Florida)

PIZAM, ABRAHAM, Dean Rosen College of Hospitality Management, Linda Chapin Eminent Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.P.A., Ph.D. (Cornell University)

POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)

PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University)

PRIEST, DeLAINIE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama at Birmingham)

RANGÉ, A. J., Assistant Vice President, Off-Campus Student Services and Neighborhood Relations (1994), B.S., M.Ed. (Florida A&M University)

REDDICK, 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 Planned Giving (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, MARK A., Associate Vice President, Human Resources and Chief HR Officer (1986), B.A., M.A. (Central Michigan University)

ROBINSON, GREGORY, Director, Purchasing (1998), B.S., M.P.A (University of Central Florida)

ROBINSON, SANDRA L., Dean and Professor, College of Education and Human Performance (2007), B.S., Ph.D. (University of Central Florida)

SCCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)

SELIM, BASMA, Director, Analysis, Planning and Accreditation, College of Medicine (2005), Ph.D. (University of Central Florida)

SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A., B.B.A., M.B.A. (Valdosta State University)

SINGH, KRISHNA, Director, Parking Services (2009), B.A. (University of Central Florida)
UCF Administrative Officers and Staff

SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)

SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)

SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECS (1987), B.S., M.S., Ph.D. (University of Southern California)

STANSBURY, TODD, Vice President and Director of Athletics (2012), B.S., M.S. (Georgia State University)

STERN, MICHAEL J., Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)

STINARD, CHARLENE, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)


SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

THOMAS, CARLEE, Director, Development, Burnett School, College of Medicine (2009), M.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 M., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VIAU, PAUL, Director, Veterans Academic Resource Center (1997), B.A., Ed.Ms. (Alfred University)

VITTES, M. ELLIOT, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

WALDROP, TONY, Provost and Executive Vice President, Professor of Biomedical Sciences (2012), B.A., M.A., Ph.D. (University of North Carolina, Chapel Hill)

WALTON, ROXANE, Director, Human Resources (2002), B.S. (Stetson University)

WANG, ALVIN Y., Professor of Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)


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)

ZUGELDER, BRYAN, Executive Director of Undergraduate Affairs & Partnerships, College of Education and Human Performance (2005), B.S., M.S., Ed.D. (Nova Southeastern University)
<table>
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<tr>
<th>Date</th>
<th>Degree Details</th>
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<tbody>
<tr>
<td>December 1969</td>
<td>Kurt H. Debus, Doctor of Engineering Science</td>
</tr>
<tr>
<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
</tr>
<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
</tr>
<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
</tr>
<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
</tr>
<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
</tr>
<tr>
<td>June 1979</td>
<td>Albert F. Hegenberger, Doctor of Engineering Science</td>
</tr>
<tr>
<td></td>
<td>Lee R. Scherer, Doctor of Engineering Science</td>
</tr>
<tr>
<td>December 1979</td>
<td>Joseph Daniel Duffey, Doctor of Humane Letters</td>
</tr>
<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
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<td>Howard Phillips, Master of Public Service</td>
</tr>
<tr>
<td>December 1981</td>
<td>Gene Burns, Master of Letters</td>
</tr>
<tr>
<td>April 1982</td>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
</tr>
<tr>
<td></td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td>John Duda, Doctor of Agricultural Service</td>
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<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
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<td>William E. Davis, Doctor of Public Service</td>
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<tr>
<td>December 1982</td>
<td>Joseph A. Boyd, Doctor of Engineering Science</td>
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<td>July 1983</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
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<td>Charles Wadsworth, Doctor of Public Service</td>
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<tr>
<td>December 1984</td>
<td>Allan E. Gotieb, Doctor of Laws</td>
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<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
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<td>Jerry Collins, Doctor of Public Service</td>
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<td>D. Robert Graham, Doctor of Public Service</td>
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<td>Walter O. Lownie, Doctor of Engineering Science</td>
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<td>William C. Schwartz, Doctor of Engineering Science</td>
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<tr>
<td>March 1986</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
</tr>
<tr>
<td>October 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
</tr>
<tr>
<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td>John D. Holloway, Doctor of Public Service</td>
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<td>Wolfgang-Detlef 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, 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, Doctor of Letters</td>
</tr>
<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
</tr>
<tr>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
</tr>
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**HONORARY DEGREES AWARDED**

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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>May 1995</td>
<td>Norman R. Augustine, Doctor of Engineering Science</td>
</tr>
<tr>
<td>December 1995</td>
<td>Jesse Stone, Doctor of Humane Letters</td>
</tr>
<tr>
<td>April 1996</td>
<td>Nicolaas Bloemergen, Doctor of Science</td>
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<td>December 1996</td>
<td>Richard A. Nunnis, Doctor of Public Service</td>
</tr>
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<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
</tr>
<tr>
<td>August 1998</td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
</tr>
<tr>
<td>December 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
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<tr>
<td>December 1999</td>
<td>Linda W. Chapin, Doctor of Public Service</td>
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<td>Archbishop Desmond Tutu, Doctor of Humane Letters</td>
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<tr>
<td>May 2000</td>
<td>President Reubin O'D. Askew, Doctor of Public Service</td>
</tr>
<tr>
<td>May 2001</td>
<td>Lotfi Zadeh, Doctor of Science</td>
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<td>Richard M. Karp, Doctor of Science</td>
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<td>December 2002</td>
<td>Joseph F. Traub, Doctor of Science</td>
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<td>December 2004</td>
<td>LeRoy T. Walker Sr., Doctor of Public Service</td>
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<td>James Bacchus, Doctor of Public Services</td>
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<td>May 2002</td>
<td>Richard M. DeVos, Sr., Doctor of Commercial Science</td>
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<tr>
<td>October 2002</td>
<td>Nancy Burnett, Doctor of Commercial Science</td>
</tr>
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<td>Albert Burnett, Doctor of Commercial Science</td>
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<td>December 2002</td>
<td>Robert E. Kahn, Doctor of Science</td>
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<td>December 2004</td>
<td>G. Vince Amico, Doctor of Science</td>
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<td>Lester Mandell, Doctor of Commercial Science</td>
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<tr>
<td>May 2005</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<tr>
<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Science</td>
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<td>December 2006</td>
<td>Rita Bornstein, Doctor of Humane Letters</td>
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<td>Charles Hard Townes, Doctor of Science</td>
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<td>December 2007</td>
<td>Robert Vander Weide, Doctor of Commerce</td>
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<td>December 2008</td>
<td>Howard Lance, Doctor of Science</td>
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<td>December 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
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<td>December 2011</td>
<td>James A. Hinson, Doctor of Public Service</td>
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<td>December 2012</td>
<td>Sanford Shugart, Doctor of Humane Letters</td>
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<tr>
<td>May 2013</td>
<td>President William Jefferson Clinton, Doctor of Humane Letters</td>
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<td>Michael M. Crow, Doctor of Humane Letters</td>
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</tbody>
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**UNIVERSITY OF CENTRAL FLORIDA**
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.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

Cf: 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.

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.

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, date of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes' 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 Forbearance: 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 "D" (1.0 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 within 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, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swaps, and add courses each term; withdraw from courses following the close of Late Registration and drop/swaps, 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.

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 also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number); personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

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 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.

RHm: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & 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: Time Shortened Degree or 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 Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, 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 benefits 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.

Web Enrollment Guide: online at http://registrar.ucf.edu/reg/. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

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

- Academic Advising
- Acceptance
- Academic Advising
- Academic Services for Student-Athletes (ASSA)
- Admission Categories
- Accounting
- Accreditation
- Advising, Academic
- Aerospace Studies (Air Force ROTC)
- Africana Studies Program
- Air Force (ROTC)
- Alcoholics Anonymous
- American Sign Language (ASL)
- American Studies Program
- Amnesty Program, Academic
- Application for Admission
- Application Deadlines
- Area Studies Programs
- Arena, UCF
- Army ROTC (Military Science)
- Articulated A.S. to B.S. Programs, Statewide
- Arts and Humanities, College of
- Athletics, Intercollegiate
- Athletic Eligibility and Retention Committee
- Athletic Training
- Attendance, Absences, or Unsatisfactory Work
- Audit
  - Registration
  - Senior Citizen
- Award Notification
- Baccalaureate Degrees
- Baccalaureate Honors
- BE 2020
- Board of Governors, Florida
- Board of Trustees, UCF
- Bookstores, Campus
- Burnett Honors College
- Burnett School of Biomedical Sciences
- Business Administration, College of
- Cambridge AICE Exams
- Campuses, Regional
- Campus Alcoholic Beverages Policy
- Campus Alcohol and Other Drug Intervention Program
- Campus Visit Experience
- Career Services
- Catalog, Choice of
- Center for Economic Education
- Central Florida Research Park
- Certificates
- Certification, Enrollment
- Child Care (see Creative School)
- Classroom Responsibility
- Clinical Experiences
- Cocoa Regional Campus
- College Level Examination Program (CLEP)
- Common Course Numbering System
- Common Program Prerequisites
- Communication, Nicholson School of
- Complaint Policy
- Computer Science, Dept. of Electrical Engineering and
- Construction Engineering, Civil, Environmental, and
- Continuing Education, Division of
- Continuous Enrollment
- Cooperative Education (See Experiential Learning)
- Co-op Student
- Correspondence Courses
- Costs, School
- Counseling and Psychological Services (CAPS)
- Course Repeat Surcharges, Third Attempt
- Course Substitution - General Education Program
- Courses and Descriptions
- Creative School for Children
- Credit
- By Examination
- Dual Usage
- While Disenrolled
- Credit Hour Limits
- CREOL and FPCE
- Cum Laude
- DANTES Examination Credit
- Daytona Beach Regional Campus
- Dean’s List
- Deferrals of Tuition and Fees
- Degree Audit
- Degree Verifications, Enrollment and
- Degrees Offered
- Degree Requirements, Undergraduate
- Degrees, Majors and Minors
- Degrees Offered
- Degree Requirements, Undergraduate
- Department of Accounting, Kenneth G. Dixon School of
- Aerospace Studies (Air Force ROTC)
- Anthropology
- Biology
- Biomedical Sciences, Burnett School of
- Chemistry
- Child, Family, and Community Sciences
- Civil, Environmental, & Construction Engineering
- Communication, Nicholson School of
- Communication Sciences and Disorders
- Criminal Justice
- Economics
- Educational and Human Sciences
- Electrical Engineering and Computer Science
- English
- Finance
- Health Management and Informatics
- Health Professions
- History
- Industrial Engineering and Management Systems
- Legal Studies
- Management
- Marketing
- Materials Science and Engineering
- Mathematics
- Mechanical and Aerospace Engineering
- Military Science (Army ROTC)

### Departments and Schools

- Accounting, Kenneth G. Dixon School of
- Aerospace Studies (Air Force ROTC)
- Anthropology
- Biology
- Biomedical Sciences, Burnett School of
- Chemistry
- Child, Family, and Community Sciences
- Civil, Environmental, & Construction Engineering
- Communication, Nicholson School of
- Communication Sciences and Disorders
- Criminal Justice
- Economics
- Educational and Human Sciences
- Electrical Engineering and Computer Science
- English
- Finance
- Health Management and Informatics
- Health Professions
- History
- Industrial Engineering and Management Systems
- Legal Studies
- Management
- Marketing
- Materials Science and Engineering
- Mathematics
- Mechanical and Aerospace Engineering
- Military Science (Army ROTC)
## Index

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Languages and Literatures</td>
<td>82</td>
</tr>
<tr>
<td>Music</td>
<td>82</td>
</tr>
<tr>
<td>Philosophy</td>
<td>82</td>
</tr>
<tr>
<td>Physics</td>
<td>111</td>
</tr>
<tr>
<td>Political Science</td>
<td>111</td>
</tr>
<tr>
<td>Public Administration</td>
<td>104</td>
</tr>
<tr>
<td>Psychology</td>
<td>112</td>
</tr>
<tr>
<td>Social Work, School of</td>
<td>104</td>
</tr>
<tr>
<td>Sociology</td>
<td>112</td>
</tr>
<tr>
<td>Statistics</td>
<td>112</td>
</tr>
<tr>
<td>Teaching, Learning and Leadership, School of</td>
<td>91</td>
</tr>
<tr>
<td>Theatre</td>
<td>82</td>
</tr>
<tr>
<td>Visual Arts and Design, School of</td>
<td>83</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>82</td>
</tr>
<tr>
<td>Dick Pope, Sr. Institute for Tourism Studies</td>
<td>25</td>
</tr>
<tr>
<td>Directory Information</td>
<td>65</td>
</tr>
<tr>
<td>Disability Services, Student</td>
<td>47</td>
</tr>
<tr>
<td>Disqualification/Suspension, Academic</td>
<td>61</td>
</tr>
<tr>
<td>Distributed Learning, Center for</td>
<td>15</td>
</tr>
<tr>
<td>Diversity Requirement</td>
<td>71</td>
</tr>
<tr>
<td>Double Majors</td>
<td>74</td>
</tr>
<tr>
<td>Drop/Swap and Add Policy</td>
<td>57</td>
</tr>
<tr>
<td>Drug-Free Workplace/Drug-Free Schools Policy</td>
<td>12</td>
</tr>
<tr>
<td>Dual Enrollment</td>
<td>31,32</td>
</tr>
<tr>
<td>Early Admission</td>
<td>32</td>
</tr>
<tr>
<td>Education and Human Performance, College of</td>
<td>54,88</td>
</tr>
<tr>
<td>Endowed Chairs</td>
<td>19</td>
</tr>
<tr>
<td>Electrical Engineering and Computer Science, Dept.</td>
<td>95</td>
</tr>
<tr>
<td>Engineering and Computer Science, College of</td>
<td>54,92</td>
</tr>
<tr>
<td>Enrollment and Degree Verifications</td>
<td>58</td>
</tr>
<tr>
<td>Enrollment, Continuous</td>
<td>70</td>
</tr>
<tr>
<td>Enterprise Decision Support (EDS)</td>
<td>28</td>
</tr>
<tr>
<td>EXCEL Program</td>
<td>114</td>
</tr>
<tr>
<td>Excess Hours</td>
<td>57</td>
</tr>
<tr>
<td>Excelsior College Examinations</td>
<td>69</td>
</tr>
<tr>
<td>Exclusion</td>
<td>62</td>
</tr>
<tr>
<td>Executive Development Center</td>
<td>25</td>
</tr>
<tr>
<td>Experiential Learning</td>
<td>24,113</td>
</tr>
<tr>
<td>Family Educational Rights and Privacy Act (FERPA)</td>
<td>65</td>
</tr>
<tr>
<td>Fee Refunds</td>
<td>39</td>
</tr>
<tr>
<td>Fees, Schedule of</td>
<td>39</td>
</tr>
<tr>
<td>Financial Assistance, Office of Student</td>
<td>35</td>
</tr>
<tr>
<td>First Year Advising and Exploration (FYAE)</td>
<td>43</td>
</tr>
<tr>
<td>First Year Experience (FYE)</td>
<td>43</td>
</tr>
<tr>
<td>Florida-Canada Linkage Institute</td>
<td>26</td>
</tr>
<tr>
<td>Florida-Eastern Europe Linkage Institute</td>
<td>26</td>
</tr>
<tr>
<td>Florida Institute of Government at UCF</td>
<td>26</td>
</tr>
<tr>
<td>Florida Prepaid College Plan</td>
<td>39</td>
</tr>
<tr>
<td>Florida Residency for Tuition Purposes</td>
<td>40</td>
</tr>
<tr>
<td>Florida Solar Energy Center (FSEC)</td>
<td>26</td>
</tr>
<tr>
<td>Florida Space Institute (FSI)</td>
<td>26</td>
</tr>
<tr>
<td>Florida Work Experience Program (FWEP)</td>
<td>24</td>
</tr>
<tr>
<td>Foreign Language Proficiency Requirement</td>
<td>72</td>
</tr>
<tr>
<td>Foundation, UCF, Inc.</td>
<td>23</td>
</tr>
<tr>
<td>Fraternity and Sorority Life</td>
<td>43</td>
</tr>
<tr>
<td>Freshman Applicants</td>
<td>31</td>
</tr>
<tr>
<td>Freshman Classification</td>
<td>31</td>
</tr>
<tr>
<td>Disbursements</td>
<td>37</td>
</tr>
<tr>
<td>General Education Program (GEP)</td>
<td>70</td>
</tr>
<tr>
<td>Glossary</td>
<td>545</td>
</tr>
<tr>
<td>Good Standing</td>
<td>61</td>
</tr>
<tr>
<td>Gordon Rule, The</td>
<td>72</td>
</tr>
<tr>
<td>Grade Change</td>
<td>60</td>
</tr>
<tr>
<td>Grade Forgiveness</td>
<td>61</td>
</tr>
<tr>
<td>Grade Point Average (GPA)</td>
<td>59</td>
</tr>
<tr>
<td>Grade Reports</td>
<td>60</td>
</tr>
<tr>
<td>Grade System</td>
<td>59</td>
</tr>
<tr>
<td>Graduate Programs</td>
<td>76</td>
</tr>
<tr>
<td>Graduation Application Deadline</td>
<td>73</td>
</tr>
<tr>
<td>Graduation Rate Disclosure</td>
<td>22</td>
</tr>
<tr>
<td>Health Services</td>
<td>44</td>
</tr>
<tr>
<td>Health &amp; Public Affairs, College of</td>
<td>54,102</td>
</tr>
<tr>
<td>Health Professions - Athletic Training</td>
<td>104</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>104</td>
</tr>
<tr>
<td>Health Services Administration Program</td>
<td>103</td>
</tr>
<tr>
<td>Higher Education Act</td>
<td>65</td>
</tr>
<tr>
<td>Holds</td>
<td>57</td>
</tr>
<tr>
<td>Honors, Academic</td>
<td>61</td>
</tr>
<tr>
<td>Honors, University</td>
<td>77</td>
</tr>
<tr>
<td>Honors College, The Burnett</td>
<td>53,77</td>
</tr>
<tr>
<td>Honors in the Major</td>
<td>78</td>
</tr>
<tr>
<td>Hospitality Management, Rosen College of</td>
<td>56,115</td>
</tr>
<tr>
<td>Housing and Residence Life</td>
<td>44</td>
</tr>
<tr>
<td>Humanities (see Philosophy)</td>
<td>82</td>
</tr>
<tr>
<td>Incomplete (&quot;I&quot;) Grade</td>
<td>59</td>
</tr>
<tr>
<td>Information Technologies and Resources</td>
<td>21</td>
</tr>
<tr>
<td>Institute for Simulation and Training (IST)</td>
<td>26</td>
</tr>
<tr>
<td>Institutes and Centers for Research</td>
<td>25</td>
</tr>
<tr>
<td>Institute of Statistics and Data Mining</td>
<td>27</td>
</tr>
<tr>
<td>Institutional Knowledge Management (IKM)</td>
<td>28</td>
</tr>
<tr>
<td>Institutional Research (IR)</td>
<td>28</td>
</tr>
<tr>
<td>Instructional Resources, Office of</td>
<td>22</td>
</tr>
<tr>
<td>Integrity and Ethical Development, Office of</td>
<td>45</td>
</tr>
<tr>
<td>Interdisciplinary Studies, Office of</td>
<td>56,113</td>
</tr>
<tr>
<td>International Applicants</td>
<td>33</td>
</tr>
<tr>
<td>International Baccalaureate Program</td>
<td>66</td>
</tr>
<tr>
<td>International Services Center</td>
<td>20</td>
</tr>
<tr>
<td>International Studies and Study Abroad Programs</td>
<td>24</td>
</tr>
<tr>
<td>Judaic Studies Program</td>
<td>81</td>
</tr>
<tr>
<td>Junior Classification</td>
<td>60</td>
</tr>
<tr>
<td>Kenneth G. Dixon School of Accounting</td>
<td>85</td>
</tr>
<tr>
<td>Knights Plaza</td>
<td>22</td>
</tr>
<tr>
<td>Late Fees</td>
<td>40</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>81</td>
</tr>
<tr>
<td>Leesburg Regional Campus</td>
<td>17</td>
</tr>
<tr>
<td>Lead Out Loud</td>
<td>47</td>
</tr>
<tr>
<td>LEAD Scholars Program</td>
<td>47</td>
</tr>
<tr>
<td>LGBTQ Services</td>
<td>44</td>
</tr>
<tr>
<td>Libraries, University</td>
<td>21</td>
</tr>
<tr>
<td>Limited Access Programs</td>
<td>31</td>
</tr>
<tr>
<td>Limited Non-DegreeSeeking Applicants</td>
<td>39</td>
</tr>
<tr>
<td>LINK</td>
<td>43</td>
</tr>
<tr>
<td>Magna Cum Laude</td>
<td>61</td>
</tr>
<tr>
<td>Major Exploration Program</td>
<td>43</td>
</tr>
<tr>
<td>Majors</td>
<td>64,75,116</td>
</tr>
<tr>
<td>Marketing, Communications, and Admissions, Strategy</td>
<td>28</td>
</tr>
<tr>
<td>Materials Science and Engineering</td>
<td>98</td>
</tr>
<tr>
<td>Meal Plans (See Housing and Residence Life)</td>
<td>44</td>
</tr>
<tr>
<td>Mechanical and Aerospace Engineering</td>
<td>98</td>
</tr>
<tr>
<td>Medical Laboratory Sciences Program</td>
<td>106</td>
</tr>
<tr>
<td>Medicine, College of</td>
<td>55,105</td>
</tr>
<tr>
<td>Middle Eastern Studies Program</td>
<td>82</td>
</tr>
<tr>
<td>Military Science (Army ROTC)</td>
<td>101</td>
</tr>
<tr>
<td>Minors, Academic</td>
<td>64,76,332</td>
</tr>
<tr>
<td>Modern Languages and Literatures, Department of</td>
<td>82</td>
</tr>
<tr>
<td>Multicultural Academic and Support Services (MASS)</td>
<td>44</td>
</tr>
<tr>
<td>Name Changes</td>
<td>64</td>
</tr>
<tr>
<td>National Consortium for Academics &amp; Sports (NCAS)</td>
<td>25</td>
</tr>
<tr>
<td>News and Information</td>
<td>28</td>
</tr>
<tr>
<td>Nicholson School of Communication</td>
<td>110</td>
</tr>
<tr>
<td>No Credit (NC) Grade</td>
<td>59</td>
</tr>
<tr>
<td>Non-Academic Admission Clearances</td>
<td>63</td>
</tr>
<tr>
<td>Non-Degree-Seeking Students, Limited</td>
<td>57</td>
</tr>
<tr>
<td>Nursing, College of</td>
<td>55,107</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td>27</td>
</tr>
<tr>
<td>Ocala Regional Campus</td>
<td>17</td>
</tr>
<tr>
<td>Off-Campus College Credit Programs</td>
<td>25</td>
</tr>
<tr>
<td>Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)</td>
<td>45</td>
</tr>
<tr>
<td>Office of the Vice President for Strategy, Marketing, Communications and Admissions</td>
<td>28</td>
</tr>
<tr>
<td>Ombuds Office, University</td>
<td>20</td>
</tr>
<tr>
<td>Operational Excellence and Assessment Support (CEAS)</td>
<td>28</td>
</tr>
<tr>
<td>Optics and Photonics, College of</td>
<td>108</td>
</tr>
<tr>
<td>Orientation</td>
<td>31</td>
</tr>
<tr>
<td>Osceola Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Over Awards</td>
<td>38</td>
</tr>
</tbody>
</table>

---

**UNIVERSITY OF CENTRAL FLORIDA**

548 Undergraduate Catalog 2013-2014
# Index

<table>
<thead>
<tr>
<th>Region</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palm Bay Regional Campus</td>
<td>17</td>
</tr>
<tr>
<td>Parking and Transportation Services</td>
<td>22</td>
</tr>
<tr>
<td>Past Due Accounts</td>
<td>40</td>
</tr>
<tr>
<td>Payment Procedures</td>
<td>39</td>
</tr>
<tr>
<td>Police, UCF Public Safety and Training</td>
<td>20</td>
</tr>
<tr>
<td>Post-Baccalaureate Classification</td>
<td>60</td>
</tr>
<tr>
<td>Posthumous Degrees</td>
<td>70</td>
</tr>
<tr>
<td>Pre-Health Professions Advisement Office</td>
<td>106</td>
</tr>
<tr>
<td>President's Honor Roll</td>
<td>61</td>
</tr>
<tr>
<td>PRIME STEM Student Support Services Program</td>
<td>45</td>
</tr>
<tr>
<td>Probation, Academic</td>
<td>61</td>
</tr>
<tr>
<td>Provisional Classification</td>
<td>60</td>
</tr>
<tr>
<td>Quality Enhancement Plan Development Office</td>
<td>114</td>
</tr>
<tr>
<td>Reactivation</td>
<td>31</td>
</tr>
<tr>
<td>Readmission</td>
<td>62</td>
</tr>
<tr>
<td>Recreation and Wellness Center</td>
<td>45</td>
</tr>
<tr>
<td>Records, Student</td>
<td>65</td>
</tr>
<tr>
<td>Refund of Fees</td>
<td>38, 39</td>
</tr>
<tr>
<td>Regional</td>
<td></td>
</tr>
<tr>
<td>Campuses</td>
<td>15, 56</td>
</tr>
<tr>
<td>Campuses Enrollment Services</td>
<td>28</td>
</tr>
<tr>
<td>Registrar's Office</td>
<td>46</td>
</tr>
<tr>
<td>Registration Policies</td>
<td>57</td>
</tr>
<tr>
<td>Religious Observances</td>
<td>60</td>
</tr>
<tr>
<td>Repeat Surcharges, Third Attempt Course</td>
<td>64</td>
</tr>
<tr>
<td>Research, Institutes and Centers for</td>
<td>25</td>
</tr>
<tr>
<td>Research Park, Central Florida</td>
<td>19</td>
</tr>
<tr>
<td>Reserve Office Training Corps (ROTC)</td>
<td>100</td>
</tr>
<tr>
<td>Residency Reclassification</td>
<td>41</td>
</tr>
<tr>
<td>Room and Board</td>
<td>36</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>56, 115</td>
</tr>
<tr>
<td>Sanford/Lake Mary Regional Campus</td>
<td>17</td>
</tr>
<tr>
<td>Satisfactory Academic Progress (SAP)</td>
<td>37</td>
</tr>
<tr>
<td>School Costs</td>
<td>36</td>
</tr>
<tr>
<td>Second Bachelor's Degree</td>
<td>33</td>
</tr>
<tr>
<td>Sciences, College of</td>
<td>55, 109</td>
</tr>
<tr>
<td>Senior Citizen Audit</td>
<td>57</td>
</tr>
<tr>
<td>Senior Classification</td>
<td>60</td>
</tr>
<tr>
<td>Service-Learning</td>
<td>24</td>
</tr>
<tr>
<td>Sexual Harassment Policy</td>
<td>12</td>
</tr>
<tr>
<td>Shakespeare Theater, Orlando</td>
<td>22</td>
</tr>
<tr>
<td>Simulation and Training, Institute for (IST)</td>
<td>26</td>
</tr>
<tr>
<td>Small Business Development Center (SBDC)</td>
<td>27</td>
</tr>
<tr>
<td>Social Work, School of</td>
<td>104</td>
</tr>
<tr>
<td>Sophomore and Second Year Center (SSYC)</td>
<td>46</td>
</tr>
<tr>
<td>Sophomore Classification</td>
<td>60</td>
</tr>
<tr>
<td>South Lake Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Special Student Classification</td>
<td>60</td>
</tr>
<tr>
<td>State of Florida Employee Registration</td>
<td>57</td>
</tr>
<tr>
<td>State of Florida Employees Tuition Waivers</td>
<td>39</td>
</tr>
<tr>
<td>State Tuition Exemption Program (STEP)</td>
<td>58</td>
</tr>
<tr>
<td>Strategic Planning</td>
<td>28</td>
</tr>
<tr>
<td>Strategy, Marketing, Communications, and Admissions</td>
<td>28</td>
</tr>
<tr>
<td>Student</td>
<td></td>
</tr>
<tr>
<td>Academic Resource Center (SARC)</td>
<td>47</td>
</tr>
<tr>
<td>Account Services</td>
<td>39</td>
</tr>
<tr>
<td>Classifications</td>
<td>60</td>
</tr>
<tr>
<td>Conduct</td>
<td>45, 60</td>
</tr>
<tr>
<td>Development &amp; Enrollment Services</td>
<td>42</td>
</tr>
<tr>
<td>Disability Services</td>
<td>47</td>
</tr>
<tr>
<td>Financial Assistance</td>
<td>29, 35</td>
</tr>
<tr>
<td>Government Association (SGA)</td>
<td>47</td>
</tr>
<tr>
<td>Involvement (OSI), Office of</td>
<td>45</td>
</tr>
<tr>
<td>Leadership Development</td>
<td>47</td>
</tr>
<tr>
<td>Legal Services</td>
<td>47</td>
</tr>
<tr>
<td>Neighborhood Relations (SNR)</td>
<td>45</td>
</tr>
<tr>
<td>Outreach Programs</td>
<td>29</td>
</tr>
<tr>
<td>Outreach Services (SOS) at Rosen College</td>
<td>48</td>
</tr>
<tr>
<td>Records</td>
<td>65</td>
</tr>
<tr>
<td>Responsibility for University Communication</td>
<td>13</td>
</tr>
<tr>
<td>Rights and Responsibilities</td>
<td>35, 45</td>
</tr>
<tr>
<td>Union</td>
<td>48</td>
</tr>
<tr>
<td>Use of Technology</td>
<td>13</td>
</tr>
<tr>
<td>Study Abroad Programs</td>
<td>24</td>
</tr>
<tr>
<td>Summa Cum Laude</td>
<td>60</td>
</tr>
<tr>
<td>Summer Attendance Requirement</td>
<td>73</td>
</tr>
<tr>
<td>Television Services</td>
<td>29</td>
</tr>
<tr>
<td>Temporary Student Classification</td>
<td>60</td>
</tr>
<tr>
<td>Testing Center, University</td>
<td>48</td>
</tr>
<tr>
<td>Third Attempt Course Repeat Surcharge</td>
<td>64</td>
</tr>
<tr>
<td>TOEFL</td>
<td>31, 33, 72</td>
</tr>
<tr>
<td>Tourism Studies, Dick Pope, Sr. Institute for</td>
<td>25</td>
</tr>
<tr>
<td>Tours, Campus (Campus Visit Experience)</td>
<td>30</td>
</tr>
<tr>
<td>Transcript Requests</td>
<td>64</td>
</tr>
<tr>
<td>Transfer Applicants</td>
<td>32</td>
</tr>
<tr>
<td>Transfer Credit</td>
<td>34</td>
</tr>
<tr>
<td>Transfer and Transition Services</td>
<td>48, 50</td>
</tr>
<tr>
<td>Transfer Students</td>
<td>32, 37</td>
</tr>
<tr>
<td>Transient Student</td>
<td>31, 33</td>
</tr>
<tr>
<td>Transportation Services, Parking and</td>
<td>22</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>36, 39</td>
</tr>
<tr>
<td>Tuition Waivers</td>
<td>39</td>
</tr>
<tr>
<td>UCF Cumulative GPA</td>
<td>59</td>
</tr>
<tr>
<td>UCF Employees Registration</td>
<td>57</td>
</tr>
<tr>
<td>UCF Employees Tuition Waiver</td>
<td>39</td>
</tr>
<tr>
<td>UCF Foundation, Inc.</td>
<td>23</td>
</tr>
<tr>
<td>Undeclared Policy</td>
<td>13</td>
</tr>
<tr>
<td>Undergraduate Admissions</td>
<td></td>
</tr>
<tr>
<td>Undergraduate Studies, Office of</td>
<td>20, 56, 113</td>
</tr>
<tr>
<td>University</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>8, 541</td>
</tr>
<tr>
<td>Analysis and Planning Support</td>
<td>29</td>
</tr>
<tr>
<td>Marketing</td>
<td>29</td>
</tr>
<tr>
<td>Testing Center, University</td>
<td>48</td>
</tr>
<tr>
<td>Unsatisfactory Work, Attendance, or Absences</td>
<td>60</td>
</tr>
<tr>
<td>Upper Division, Admission to the</td>
<td>73</td>
</tr>
<tr>
<td>Valencia Osceola Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Valencia West Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Verifications, Enrollment and Degree</td>
<td>58</td>
</tr>
<tr>
<td>Veteran Services</td>
<td>48</td>
</tr>
<tr>
<td>Veterans Academic Resource Center (VARC)</td>
<td>48</td>
</tr>
<tr>
<td>Web Enrollment Guide</td>
<td>57</td>
</tr>
<tr>
<td>Wellness and Health Promotion Services</td>
<td>49</td>
</tr>
<tr>
<td>Wellness Center, Recreation and</td>
<td>45</td>
</tr>
<tr>
<td>Withdrawal Policy</td>
<td>58</td>
</tr>
<tr>
<td>Women's Studies Program</td>
<td>83</td>
</tr>
<tr>
<td>Work Study, Federal</td>
<td>36</td>
</tr>
<tr>
<td>WUCF TV</td>
<td>29</td>
</tr>
</tbody>
</table>