The UCF Creed

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

Integrity
I will practice and defend academic and personal honesty.

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

I hope you are excited about the new academic year and the many opportunities that await you at UCF. 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.

A college education is all about learning, and excellent learning occurs in our classrooms, laboratories, and studios. 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.

Take pride in your university. Our academic programs are setting the standard for the nation, 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.

Take pride in yourself. Make the UCF Creed an integral part of your value system. Conduct yourself on campus and in the community to bring distinction to you and to our university.

You have my best wishes for success during this coming year. 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 170,000 alumni whose lives have been changed by their UCF experience.

Remember, UCF stands for opportunity. Seize this opportunity for your success.

Cordially yours,

John C. Hitt
President
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<tr>
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<td>Associate Dean</td>
<td>Lynne Brooks</td>
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<td>Associate Dean</td>
<td>Terry J. Frederick</td>
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<tr>
<td>Assistant Dean</td>
<td>Lynne Hepper</td>
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<tr>
<td>Director, College of Arts and Humanities Student Advising (CAHSA)</td>
<td>Delia Garcia</td>
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<tr>
<td>Director, School of Visual Arts and Design</td>
<td>TBA</td>
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<tr>
<td>Chair, English</td>
<td>David Wallace</td>
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<tr>
<td>Interim Chair, Film</td>
<td>Stephen Schlow</td>
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<td>Rosalind Beiler</td>
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<td>Chair, Modern Languages and Literature</td>
<td>Paolo Giordano</td>
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<td>Chair, Music</td>
<td>Jeffrey Moore</td>
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<td>Chair, Philosophy</td>
<td>Bruce Janz</td>
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<td>Chair, Theatre</td>
<td>Christopher Niess</td>
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<tr>
<td><strong>College of Business Administration</strong></td>
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<tr>
<td>Dean</td>
<td>Thomas L. Keon</td>
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<tr>
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<td>E. Taylor Ellis</td>
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<td>Interim Associate Dean</td>
<td>Foard F. Jones</td>
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<tr>
<td>Director, Administration and Budget</td>
<td>Hubert Jacques</td>
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<td>Director, Enterprise Development Center</td>
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<tr>
<td>Director, Human Resources</td>
<td>Ann Roberts</td>
</tr>
<tr>
<td>Director, Kennedy School of Accounting</td>
<td>Randy W. Roberts</td>
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<tr>
<td>Director, Undergrad Programs &amp; Support</td>
<td>Randall Brumfield</td>
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<tr>
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<tr>
<td>Chair, Economics</td>
<td>Wally Milton</td>
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<tr>
<td>Chair, Management Information Systems</td>
<td>Paul H. Cheney</td>
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<tr>
<td>Chair, Marketing</td>
<td>Ronald E. Michaels</td>
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<td><strong>College of Education</strong></td>
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<tr>
<td>Dean</td>
<td>Sandra L. Robinson</td>
</tr>
<tr>
<td>Executive Associate Dean</td>
<td>Jennifer Flatt</td>
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<tr>
<td>Associate Dean, Graduate Studies</td>
<td>Grant Hayes</td>
</tr>
<tr>
<td>Associate Dean, Research</td>
<td>Rex Culp</td>
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<tr>
<td>Assistant Director, Director, Administration</td>
<td>Alexanderdanger</td>
</tr>
<tr>
<td>Director, Assessment, Accreditation, and Data Management</td>
<td>Lance Tomei</td>
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<tr>
<td>Director, Clinical Experience</td>
<td>Bryan Zugelder</td>
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<td>Director, Development</td>
<td>Heathierun</td>
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<tr>
<td>Director, Graduate Services</td>
<td>Andrea Withington</td>
</tr>
<tr>
<td>Chair, Child, Family and Community Sciences</td>
<td>Aniclep</td>
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<tr>
<td>Chair, Educational Research</td>
<td>Grant Hayes</td>
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<td>Chair, Educational Studies</td>
<td>Karen B. I. Haines</td>
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<td>Chair, Teaching and Learning Principles</td>
<td>Michael C. Hynes</td>
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<tr>
<td><strong>College of Engineering and Computer Science</strong></td>
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<tr>
<td>Dean</td>
<td>Marwan Simean</td>
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<td>Charles Reilly</td>
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<tr>
<td>Associate Dean, Research and Administration</td>
<td>Essam Radwan</td>
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<td>Associate Dean, Distributed and Distance Learning</td>
<td>Alfred Ducharme</td>
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<tr>
<td>Director, Academic Affairs</td>
<td>Melissa Dagley</td>
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<tr>
<td>Director, College Honors Programs</td>
<td>Donald Malocha</td>
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<td>Director, Educational Partners</td>
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<td>Lakshmi N. Reddy</td>
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<tr>
<td>Interim Chair, Mechanical, Materials and Aerospace Engineering</td>
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<td><strong>College of Health and Public Affairs</strong></td>
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<tr>
<td>Dean</td>
<td>Thomas Wan</td>
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<tr>
<td>Associate Dean, Student/Personnel Affairs</td>
<td>Melva Rogers</td>
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<tr>
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<tr>
<td>Director, School of Social Work</td>
<td>John Ronnau</td>
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<tr>
<td>Director, Undergraduate Student Services</td>
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<tr>
<td>Chair, Criminal Justice and Legal Studies</td>
<td>Robert Langwitz</td>
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<tr>
<td>Chair, Health Management and Informatics</td>
<td>Aaron Liberman</td>
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<td>Chair, Health Professions</td>
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<tr>
<td>Chair, Public Administration</td>
<td>Mary Ann Feldheim</td>
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<tr>
<td><strong>College of Medicine</strong></td>
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<tr>
<td>Dean</td>
<td>Deborah C. German</td>
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<tr>
<td>Associate Dean, Clinical Affairs</td>
<td>TBA</td>
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<tr>
<td>Associate Dean, Graduate Studies</td>
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<tr>
<td>Associate Dean, Faculty and Academic Affairs</td>
<td>Richard D. Peppier</td>
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<tr>
<td>Associate Dean, Finance and Administration</td>
<td>Steven Surmire</td>
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<tr>
<td>Associate Dean, Planning and Knowledge Management</td>
<td>Julia Pet-Armact</td>
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<tr>
<td>Associate Dean, Special Projects and Chief Legal Officer</td>
<td>Jeanette C. Schreiber</td>
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<tr>
<td>Associate Dean, Students</td>
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<tr>
<td>Assistant Vice President, Development</td>
<td>Charles Roberts</td>
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<tr>
<td>Burnett School of Biomedical Sciences Director and Office of Pre-Professional Advising (OPPA)</td>
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<tr>
<td>Chair, Molecular Biology and Biotechnology</td>
<td>Pappachan E. Kolattukudy</td>
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<tr>
<td>Special Advisor to the Dean</td>
<td>Robert L. Armacost</td>
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<tr>
<td>Assistant Dean, Medical Graduate Education</td>
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<td>Assistant Dean, Students</td>
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<td>Associate Director, Burnett School</td>
<td>Robert Gennaro</td>
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<tr>
<td>Associate Director, Burnett School</td>
<td>Roseann White</td>
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<tr>
<td><strong>College of Nursing</strong></td>
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<tr>
<td>Dean</td>
<td>Jean Leuner</td>
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<td>Associate Dean</td>
<td>Susan Chase</td>
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<td><strong>College of Optics and Photonics</strong></td>
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<tr>
<td>Dean</td>
<td>Bahaa Saleh</td>
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<tr>
<td>Associate Dean, Academic Programs</td>
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<tr>
<td>Director, Research and Administration</td>
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<td><strong>Rosen College of Hospitality Management</strong></td>
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<tr>
<td>Dean</td>
<td>Abraham Prizam</td>
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<tr>
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<td>Tadakty Verma</td>
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<tr>
<td>Associate Dean</td>
<td>Youcheng Wang</td>
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<td>Chair, Tourism, Events &amp; Attractions</td>
<td>Deborah Breiter</td>
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<tr>
<td><strong>College of Sciences</strong></td>
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<tr>
<td>Dean</td>
<td>Peter Panousis</td>
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<tr>
<td>Associate Dean</td>
<td>Michael Johnson</td>
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<td>Jack M. McGuire</td>
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<tr>
<td>Assistant Dean</td>
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<tr>
<td>Director, Nicholson School of Communication</td>
<td>Robert T. Schreiber</td>
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<td>Chair, Anthropology</td>
<td>Arlen Chase</td>
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<td>Chair, Biology</td>
<td>Tadiya K. Hinkle</td>
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<td>Chair, Chemistry</td>
<td>Rudi Klemm</td>
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<td>Chair, Mathematics</td>
<td>Piotr Mikusinski</td>
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<td>Chair, Physics</td>
<td>Talat Rahman</td>
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<td>Chair, Psychological Science</td>
<td>Roger B. Hanchberg</td>
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<td>Robert Dipboy</td>
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<td>Chair, Sociology</td>
<td>Tadakty Verma</td>
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<td>Chair, Statistics</td>
<td>David M. Nickerson</td>
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## SUMMER 2010 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Summer 2010</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
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<tbody>
<tr>
<td></td>
<td>May 17 - June 25</td>
<td>June 28 - August 6</td>
<td>May 17 - August 6</td>
<td>May 17 - July 16</td>
</tr>
<tr>
<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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| Application Deadline for All New Undergraduate | March 1 | March 1 | March 1 | March 1 |
| Application Deadline for Readmission | April 1 | April 1 | April 1 | April 1 |
| Application Deadline for Graduate Programs Without Deadline | April 15 | April 15 | April 15 | April 15 |
| Graduation Application (Online Intent to Graduate on myUCF) | Mar. 8 - Apr. 26 | Mar. 8 - Apr. 26 | Mar. 8 - Apr. 26 | Mar. 8 - Apr. 26 |
| Housing Payment Due | April 30 | June 18 | April 30 | N/A |
| Registration on myUCF | Mar. 22 - May 16 | Mar. 22 - June 27 | Mar. 22 - May 16 | Mar. 22 - May 16 |
| Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.) | May 14 | June 25 | May 14 | May 14 |
| Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.) | May 14 | June 25 | May 14 | May 14 |
| On-campus Housing opens | May 16 | June 26 | May 16 | N/A |
| Classes begin | May 17 | June 28 | May 17 | May 17 |
| Late Registration on myUCF (ends at 11:59 p.m. on last day) | May 17-21 | June 28 - July 2 | May 17-21 | May 17-21 |
| Drop Deadline on myUCF (ends at 11:59 p.m.) | May 20 | July 1 | May 20 | May 20 |
| Last Day for Full Refund on myUCF (ends at 11:59 p.m.) | May 20 | July 1 | May 20 | May 20 |
| Add Deadline on myUCF (ends at 11:59 p.m.) | May 21 | July 2 | May 21 | May 21 |
| Payment Deadline on myUCF | May 28, 2010 - Students registering from 3/22/10 through 5/21/10 | July 9, 2010 - Students registering for Summer B only 5/22/10 through 7/02/10 |
| Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.) | July 2 | August 6 | July 2 | July 2 |
| Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.) | June 4 | July 16 | June 25 | June 11 |
| Withdrawal Deadline on myUCF (ends at 11:59 p.m.) | June 4 | July 16 | June 25 | June 11 |
| VA Deferral Payment Deadline | July 30 | July 30 | July 30 | July 30 |
| Classes End; Last Day to Remove Incomplete | June 25 | August 6 | August 6 | July 16 |
| Final Examination Period | Given during last class meeting | | | |
| On-campus Housing closes | June 26 | August 6 | August 6 | N/A |
| Grades Due in myUCF | June 30 | August 11 | August 11 | July 21 |
| Grades Available on myUCF (begins 9:00 a.m.) | July 1 | August 13 | August 13 | July 22 |
| Commencement | August 7 | August 7 | August 7 | August 7 |

**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 (MH 329) at 407-823-6479.

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### University Holidays and Special Events

**Memorial Day Holiday** .................. May 31, 2010

**Independence Day Holiday** .................. July 5, 2010
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2010</th>
<th>Spring 2011</th>
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</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International</td>
<td>March 1</td>
<td>September 1, 2010</td>
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<tr>
<td>Application Deadline for All New Undergraduate</td>
<td>May 1</td>
<td>November 1, 2010</td>
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<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2010</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2010</td>
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<tr>
<td>Registration on myUCF</td>
<td>March 22 - August 22</td>
<td>Mar. 22, 2010 - Jan. 9 and</td>
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<tr>
<td></td>
<td></td>
<td>Oct. 25, 2010 - Jan. 9</td>
</tr>
<tr>
<td>Graduation Application</td>
<td>June 21 - August 6</td>
<td>October 17 - December 13, 2010</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 6</td>
<td>December 3, 2010</td>
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<tr>
<td>Registration time for State Employees, UCF Employees,</td>
<td>August 20</td>
<td>January 7</td>
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<tr>
<td>Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
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<tr>
<td>Registration for Senior Citizen Audits and STEP</td>
<td>August 20</td>
<td>January 7</td>
</tr>
<tr>
<td>On-campus Housing opens (9:00 a.m.)</td>
<td>August 20</td>
<td>January 8</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 23</td>
<td>January 10</td>
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<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last</td>
<td>August 23-27</td>
<td>January 10-14</td>
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<td>day)</td>
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<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 26</td>
<td>January 13</td>
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<tr>
<td>Last Day for Full Refund</td>
<td>August 26</td>
<td>January 13</td>
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<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
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<td>Payment deadline</td>
<td>September 3</td>
<td>January 21</td>
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<tr>
<td>Academic Advising Weeks</td>
<td>October 11-22</td>
<td>October 11-22, 2010</td>
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<tr>
<td>Last Day to Reinstat Drop for Nonpayment Classes</td>
<td>October 15</td>
<td>March 4</td>
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<tr>
<td>(ends at 4:00 p.m.)</td>
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<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 15</td>
<td>March 4</td>
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<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 15</td>
<td>March 4</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 1</td>
<td>November 19</td>
<td>April 1</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>December 6</td>
<td>April 25</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 7-13</td>
<td>April 26 - May 2</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 14</td>
<td>May 3</td>
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<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 16</td>
<td>May 5</td>
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<tr>
<td>Degree Conferral Date</td>
<td>December 17</td>
<td>May 6</td>
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<tr>
<td>Commencement</td>
<td>December 17-18</td>
<td>May 6-7</td>
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<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 18</td>
<td>May 7</td>
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</table>

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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 (MH 329) at 407-823-6479.

1 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
2 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
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 the new Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 6, 2010</td>
</tr>
<tr>
<td>Main Campus/Research Park classes end 12:20 p.m. No</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>afternoon/evening classes. (Campuses close 12:30 p.m.)</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>Regional and Rosen Campus classes end at 2:50 p.m. No</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>evening classes. (Campuses close 3:00 p.m.)</td>
<td>October 7, 2010</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 7-23, 2010</td>
</tr>
<tr>
<td>Homecoming Game - vs. Rice</td>
<td>October 23, 2010</td>
</tr>
<tr>
<td>Veterans Day Holiday</td>
<td>November 11, 2010</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 25-27, 2010</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 17, 2011</td>
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<tr>
<td>Spring Break</td>
<td>March 7-12, 2011</td>
</tr>
<tr>
<td>Founder's Day Honors Convocation (classes still held)</td>
<td>April 6, 2011</td>
</tr>
</tbody>
</table>
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 Catalog and the Undergraduate Advising Guide. The Undergraduate Catalog is published online once a year and cannot always reflect new and modified regulations. Statements in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

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

Non-Discrimination Policy (including sexual harassment)

The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, veteran’s status, genetic information, and sexual orientation 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 rules. Employees, students, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. The office is located on the Orlando campus, in McIlhenny Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

Drug-Free Workplace/Drug-Free Schools Policy Statement

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

Campus Alcoholic Beverages Policy

The sale, service, 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 formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus.

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.

Academic Behavior Standards

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

Note: A student who has assisted another in any of the aforementioned breaches of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, the instructor may request disclosure of any violation to the Office of Student Rights and Responsibilities as outlined 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, and e-mailing correspondence to instructors or fellow students. 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 Knight’s E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University’s Web site at http://cstore.ucf.edu/graphics/Computer Recommendations.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 e-mail as the official means of notifying students of important university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program. The university sends all business-related and academic messages to a student’s Knights E-mail address to ensure that there is one repository for that information. Every student must register for, and maintain a Knights E-mail account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages.

Additionally, each student must have an up-to-date emergency e-mail 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 E-mail account for official announcements and notifications. Communications sent to the Knights E-mail 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 communications are not received, or if a student has not registered for, or maintained and checked their Knights E-mail account on a regular basis. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at https://my.ucf.edu.

Complaint Policy

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

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

Accreditation

The University of Central Florida, a member institution of the State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978. The University of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master’s, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

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<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Arts and Humanities</td>
<td>National Association of Schools of Music (NASM)</td>
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<tr>
<td>Business Administration (all disciplines)</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB) International</td>
</tr>
<tr>
<td>Education (all disciplines)</td>
<td>State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Accredited by the Technology Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Engineering Technology and Electrical Engineering Technology - Electrical Systems Concentration</td>
<td>Accredited by the Technology Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Health and Public Affairs</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE)</td>
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<tr>
<td>Athletic Training</td>
<td>Committee on Accreditation for Respiratory Care (CoARC)</td>
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<tr>
<td>Cardiopulmonary Science</td>
<td>Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)</td>
</tr>
<tr>
<td>Management</td>
<td>Joint Review Committee on Education in Radiologic Technology (JRCERT)</td>
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<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE)</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing</td>
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<tr>
<td>Nursing</td>
<td>American Chemical Society (ACS) Committee On Professional Training</td>
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</table>

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

UCF Stands For Opportunity: The University of Central Florida is one of the most dynamic universities in the country in one of the most popular cities in the world. Offering 214 degree programs, it is an academic and research leader in numerous fields, such as optics, modern architecture, engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.

UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless abilities, with 600 acres set aside for lakes, woods and an arboretum. UCF has 12 colleges, including the newly established College of Medicine. More than 53,500 students attend classes on UCF’s main Orlando campus and its 11 regional campuses. UCF began offering classes in 1968 and recently granted its 200,000th degree.

The incoming freshmen class for the academic year 2009-10 of 3,842 students closely mirrors UCF’s rise in academics with an average SAT score of 1225 and a high school grade-point average of 3.8. The Burnett Honors College incoming class has an average SAT score of 1374 and a grade-point weighted average of 4.2. UCF ranks in the top 50 universities nationwide for the number of National Merit Scholars of first-time-in-college students.

The UCF Libraries offer more than 1.9 million volumes and 32,009 serial subscriptions, 24,730 of which are electronic journals. UCF has a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. The Student Union has computer labs, study lounges, ballrooms, meeting rooms, popular eating establishments and a small shopping mall. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services. The 10,000-seat UCF Arena and 45,000-seat on-campus football stadium opened in 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

UCF promotes a diverse and inclusive environment. UCF students come from 63 Florida counties, 50 states, and 141 countries. Study abroad programs allow UCF students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recognized throughout the world and include recipients of the Rhodes, Mellon and Goldwater scholarships.

In 2008-09, UCF professors received $121.7 million in research funding, topping $100 million for the fifth consecutive year. Distinctive research programs extend beyond the classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research positions.

Online@UCF

Online@UCF offers opportunities for students to enroll in credit courses and selected degree and certificate programs delivered over the Internet. 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 in-person or proctored examinations and/or minimal campus attendance.
- **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 will substitute 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 examinations.
- **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.

Complete listings of all fully and partially web-based classes from the class schedule are also excerpted and available on the Learning Online web site at http://learn.ucf.edu. Students who plan to enroll in any course with a Web component must have access to the Internet, a Web browser such as Internet Explorer or Firefox, basic web-browsing knowledge, ability to use e-mail, and basic computer skills such as word processing. For additional information, refer to the Learning Online web site (http://learn.ucf.edu).

Online@UCF is supported by the Center for Distributed Learning. The Center’s mission is to provide support to students, faculty and staff involved in selected degree and certificate programs delivered over the Internet. 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.

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 certificate, an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 24 Bachelor’s programs, 18 minors, 12 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, UCF Daytona Beach, UCF Lake Buena Vista, UCF Sanford/Lake Mary, UCF South Lake, UCF 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 Brevard Community College, Lake Sumter Community College, Seminole State College and Valencia Community College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

All locations provide students with an opportunity to enroll in selected courses at the senior and sophomore level. Contributions of both completed bachelor and graduate degrees in a variety of disciplines within the university. At UCF Regional Campuses students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the Web site at http://www.regionalcampuses.ucf.edu.
University of Central Florida/Campuses

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English - Writing
Exceptional Education
Health Services Administration
History
Interpersonal Communication
Legal Studies
Math
Organizational Communication
Political Science
Psychology
Religious Studies
Social Sciences - Interdisciplinary
Sociology

Graduate Degree Programs
Business Administration (M.B.A.) College of Business Administration
Career and Technical Education (M.A.) College of Education
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Educational Leadership (M.Ed.) College of Education
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Reading Education (M.Ed.) College of Education
Social Work (M.S.W.) College of Health and Public Affairs

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

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing

Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Organizational Communication
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Osceola
407-856-6585
(In partnership with Valencia Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Palm Bay
321-433-7995
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Interpersonal/Organizational Communication (B.A.) College of Sciences
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
Early Childhood Education
English - Writing
Health Services Administration
History
Legal Studies
Organizational Communication
Math
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, Supervision and Administration
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (R.N. to B.S.N.) College of Nursing (concurrent with SCC A.S.N.)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Social Sciences (B.S.) College of Sciences
### Undergraduate Minors

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### Undergraduate Degree Programs

#### UCF South Lake

**352-536-2113**

(Own partnerships with Lake Sumter Community College)

**Elementary Education (B.S.)**

**Business Administration (B.A.)**

Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

**Early Education (B.S.) College of Education**

**Elementary Education (B.S.) College of Education**

**Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies**

**Mathematics (B.S.) College of Education**

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

**Social Sciences Education (B.S.) College of Education**

**Undergraduate Minors**

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**UCF South Orlando**

**407-856-6585**

7300 Lake Ellenor Drive, Orlando, FL 32809

This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

**UCF Valencia West**

**407-582-5500**

(Own partnership with Valencia Community College)

**Undergraduate Degree Programs**

#### UCF South Lake

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

Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

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

**Early Childhood Education (B.S.) College of Education**

**Elementary Education (B.S.) College of Education**

**Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies**

**Mathematics (B.S.) College of Education**

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

**Sports and Fitness (B.S.) College of Education**

**Social Science Education (B.S.) College of Education**

**Undergraduate Minors**

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**UCF South Orlando**

407-856-6585

3700 Lake Ellenor Drive, Orlando, FL 32809

This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

**UCF Valencia West**

407-582-5500

(Own partnership with Valencia Community College)

**Undergraduate Degree Programs**

#### UCF South Lake

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

Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

**Architecture (B.D.) College of Arts and Humanities**

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

**Electrical Engineering (3rd/4th year) (B.S.E.E.) College of Engineering and Computer Science**

**Elementary Education (B.S.) College of Education**

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

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

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

**Graduate Degree Programs**

**Business Administration (Cohort, Professional M.B.A. track)**

**Undergraduate Minors**

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### Endowed Chairs

**Phillis-Schenck Chair in American Private Enterprise**: Created in 1981 as the focal point for a continued 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: Narasihg Deo.

**William S. and Alice M. Jenkins Chair in Community Arts**: Created in 1988 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: Kevin Haran.

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

**Fisher Eminent Scholar Chair in Hospitality Management**: Created in 1989 to attract a nationally or internationally prominent expert in hospitality with a strong commitment to undergraduate, graduate, and executive development. Chair: TBA.
RESOURCES & DEPARTMENTS

AI 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 to establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Dieker.


CFLA 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 Pizam.

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

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

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

Devo/Old Magic Sport Business Management Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar in the field of sports, with a strong commitment to graduate sport business management programs. Chair: Richard E. Lapchick.

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

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. Kahli Endowed Chair in Oncology Nursing: Created in 2005 to support work with researchers and clinicians in helping to improve the lives of cancer survivors. Chair: TBA.

Chatlos Foundation Endowed Fund: Created in 1996 to support a professor in minority health issues, award scholarships to nursing students, purchase supplies, and maintain the equipment at Community Nursing Centers and the Nursing Skills Laboratory. Chair: Karen Arola.

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: Rindy J. 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: TBA.

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.

OFFICE OF UNDERGRADUATE STUDIES

Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, and 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 Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Associate Dean: TBA; 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 goal of the office is to apply these policies fairly, promptly and evenly according to established guidelines, to provide a timely response to requests from students, faculty, and staff to maintain accurate and effective computer records for advisement and graduation certification.

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

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with federal regulations, so international populations can maintain their status. Services provided by ISC include issuing necessary documents to facilitate visa issuance abroad for international student applicants, transfer procedures, employment authorization for students and scholars, H1B visa holders’ immigration advice by professional lawyers, and international taxation assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.
UCF Public Safety and Police
Chief: Richard Beary; Building #49, 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 officers provide police 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 appear 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 (407-823-5980) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

The Community Relations Division (407-823-0258) offers crime prevention seminars regarding the protection of personal property, personal safety and identity theft. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

The Victim Services Unit, located at University Towers, Ste. 450, 12201 Research Parkway, (the main office number: 407-823-2425; provides services for: 1) advocacy and practical assistance; 2) information and referrals; and 3) educational programming.


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

Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2564

Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 32,000 journal subscriptions, 3.1 million microforms and 48,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 207,000 e-books, and 28,000 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 Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus library. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards 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. Infusion, the Libraries’ newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any public, home or office computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books, as well as the Libraries catalog, course and advice in the use of electronic databases, journals and e-books, as well as the Libraries catalog, course and advice in the use of electronic 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; e-mail; telephone at 407-823-2562, or 407-486-271-7589. 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 course work as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students 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 Web site. 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, photographs, art, and more. 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 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 community colleges to provide complete information services. Two examples of Web sites 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.asp. 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 web site at http://library.ucf.edu/BranchCampuses/Locations/default.asp.

Office of Instructional Resources
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) provides the UCF community with multimedia design and production, digital media, Webcasting, video streaming, video production, digital photography, graphics, and a full range of multimedia classroom support services. OIR’s Faculty Multimedia Center (CL1 202) provides multimedia production and training resources for faculty members. OIR’s interactive video classroom (CL1 320) is used for videoconferencing and streaming video course originations. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all UCF classrooms are equipped with multimedia presentation resources.

OIR also provides videoconferencing services. All Regional Campus sites, the Center for Distributed Learning in the Partnership II building, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details at http://www.oir.ucf.edu/ or 407-823-2571.

Intercollegiate Athletics
http://www.ucfathletics.com

Programs in Intercollegiate Athletics are coordinated by coaches and staff of the UCF Athletics Department under the general supervision of the Director of Athletics, who reports to the president. The University of Central Florida is a member of the National Collegiate Athletic Association (NCAA), Division I, competes in all sports (except women’s rowing) in Conference USA. Intercollegiate athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF’s current intercollegiate sports for men include baseball, basketball, golf, football, soccer, tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

Graduation Rate Disclosure

The completion or graduation rate is the rate at which full-time, certificated 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 Fall 2002 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2007 students is 85.5 percent. The information is public and available for review on the Institutional Research Web site.

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 festivities 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 artists, 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, located in the John T. Washington Center, is the textbook and course material destination. It offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.ucf.bncollege.com or call 407-823-2665.

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

Transportation Services

Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in 18 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m.

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They 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 seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

These services are free 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, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community 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 Information Center and the Information Kiosk at the Student Union. Further details, including routes and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their Web site, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger; 812 E. Rollins St., Suite 100, Orlando FL 32803; E-mail: jimh@orlandoshakes.org
http://www.orlandoreshakes.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 Harriett Lake Festival of New Work, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and Shakesperience” programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting audiences from across the country. The theater has been featured in national publications such as 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.
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 members to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces. While alumni are the core member group, membership in the UCF Alumni Association is open to all alumni, friends, students and parents.

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 free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, 15 percent off logo merchandise in the campus bookstores, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

Parents of UCF students can stay connected through parent membership in the alumni association. Benefits include receiving the Pegasus magazine, the Parent Connection newsletter, invitations to family-friendly events such as Family Weekend and indoor tailgate parties, money-saving discounts at the campus bookstores and local hotels and more.

To join the UCF Alumni Association as an alum, student or parent member, or for more information, stop by the FAIRWINDS Alumni Center (across from the UCF Arena); call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); connect anytime at http://www.ucfalumni.com; or fan us at http://www.facebook.com/ucfalumni.

UCF Foundation, Incorporated
The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
Institutional Research
Director and University Data Administrator: M. Paige Borden; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
http://www.iroffice.ucf.edu

Institutional Research (IR) provides information of the highest quality, which is both timely and easily accessible, to facilitate and enhance institutional decision-making, strategic planning, and assessment at UCF. 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.

Office of the Vice President for Strategy, Marketing, Communications, and Admissions (SMCA)
Vice President for Strategy, Marketing, Communications, and Admissions: Alfred Harms (Vice Admiral, U.S. Navy [Ret]); Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-2232
http://www.smca.ucf.edu

Purpose Statement
Create, coordinate, and deliver outstanding strategic planning, program assessment, analytical planning support, communications, marketing, and quality enrollment programs that add value to the university and enhance its role in the central Florida city-state.

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 communication 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.

Institutional Research
Director and University Data Administrator: M. Paige Borden; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
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Operational Excellence and Assessment Support
Director: Patrice Lancen; Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
http://www.oeas.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.

News and Information
Assistant Vice President: Grant J. Heston; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

The Office of News & Information is the university’s primary communications department, focusing on public and media relations, strategic internal communications, issues management and emergency communications and preparedness. Communications are strategic, multi-faceted and adaptable to internal and external audiences. Well-trained staff members are “providers of choice” and consistently offer high-quality, innovative and timely services to promote and enhance UCF’s reputation.

Regional Campuses Transfer Admission, Enrollment Services and Marketing
Assistant 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.

Student Financial Assistance
Executive Director: Mary H. McKinney, MH 120; 407-823-2827
http://finaid.ucf.edu

The mission 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 e-mail is limited. Student Financial Assistance, a unit of the Division of Strategy, Marketing, Communications and Admissions, is dedicated to the attainment of UCF’s mission and goals.
**Student Outreach Programs**

*Acting Director:* Rasha Daniel; 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 collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.

1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12.

2. The UCF Achievers Program, 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 participating students in grades 6-12.

**Television Services – UCF TV**

*Assistant Vice President:* Grant J. Heston; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988  
http://www.ucf.tv

UCF TV showcases the university to the world through innovative original content and strategic programming/production partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast on Bright House channels 1, 300 and 1169 and online via UCF’s Web sites and other sites like YouTube, Facebook, etc. UCF 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;  
E-mail: 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 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 7 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

**University Analysis and Planning Support**

*Director:* Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-0295  
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://universitymarketing.ucf.edu

UCF Marketing helps UCF clients reach their goals. UCF Marketing works alongside colleges and university-wide units to build important, brand-building marketing collateral. UCF Marketing also increases the university’s visibility and brand by distributing key UCF messages across multiple platforms to ensure the UCF story is told in a professional, engaging and relevant way to targeted audiences.
Organization Name

Introduction

The Division of Student Development and Enrollment Services (SDS) 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.

SDS 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)

**Directors:**
- Mark Gumble, WDSC 104; 407-823-5896
- http://www.asa.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, academic, NCAA Division I academic-athletic eligibility, and career planning goals. 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

**Directors:**
- Joseph Sciarrino, SU 215; 407-823-5548
- http://www.asf.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and/or purchasing needs of Activity & Service Fee funded 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 and provide a variety of equipment for check-out to any student free of charge.

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 14 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.

Alcohol and Other Drug Prevention and Intervention Services

**Directors:**
- Tom Hall, COUN; 407-823-0879
- http://www.aod.sdes.ucf.edu

The Alcohol and Other Drug (AOD) Prevention and Intervention Services Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, and referrals for treatment. The AOD Office partners with other campus and community programs to create a healthy environment for students to study, work and play. Programs, activities and support services are provided to students to encourage low risk, responsible choices; ones that will optimize their personal and academic success and enhance their time at UCF.

Additionally, this office serves as an umbrella for the Real Project Peer Advocacy Program.

HLP 2701, a three hour elective credit course, provides information on contemporary college health issues such as alcohol and other drugs, sexual assault, HIV/AIDS, sexually transmitted infections and diversity and diversity is dismissed. Students explore ways to assist their peers with life skills development when dealing with these issues. Students then have an opportunity to utilize these skills and knowledge to present valuable information and act as a resource to other peers on campus.

AOD Policy Information: 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 or controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any university activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

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 formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit http://www.aod.sdes.ucf.edu/DFSCAT-09-07.html#applicable.

You are encouraged to read the full policy at http://policies.ucf.edu/ 3-115 Alcoholic Beverages on Campus.

Campus Faiths & Ministries

**Directors:**
- Brad Crawford; SU 305; 407-823-5336
- http://www.ucfministries.com

Campus Faiths & Ministries (CFM) is a network of faith-based organizations dedicated to meeting the personal, religious and social needs of university students, faculty and staff. Each organization seeks to enrich lives by providing opportunities for growth through fellowship, educational programs, worship services, recreation, entertainment and the development of one’s faith. Each adheres to the principles of its own tradition, but all accept and support the work of other members of the campus network.

Career Services

**Directors:**
- Lynn Hansen; FC 185; 407-823-2361
- http://www.career.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development to include:

- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting)
- Job Postings and Resume Referrals
- Graduate School Information
These programs and services are available through walk-in assistance, scheduled appointments, workshops, and major events.

Counseling Center
Director: Stacey Pearson; COUN: 407-823-2811
http://www.counseling.sdes.ucf.edu

The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a professional staff including psychologists, mental health counselors, social workers, and counselors in training who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday 8-5 and Tuesday 8-7.

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff

For additional information, visit the Counseling Center Web site at http://www.counseling.sdes.ucf.edu.

Creative School for Children
Director: Rhonda Morley; CSCC: 407-823-2726
http://www.csc.sdes.ucf.edu

The Creative School for Children is the Educational Research Center for Child Development and provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The daily program is designed and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu

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

To fulfill this mission, each student is assigned a specific academic advisor who works with students through various activities such as orientation, individual appointments, outreach programs, and e-mail 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 the Pegasus Landing affiliated housing area. FYAE advisors have been designated for first-year students in the EXCEL, Freshman Explorations living learning community, STEP, and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

Academic Exploration Program (AEP)
PH 116; 407-823-3789
http://aep.sdes.ucf.edu

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared 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. AEP has several components including coordinated academic advising services from the 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
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.fye.sdes.ucf.edu

The First Year Experience Office (combining orientation with extended first year advising) includes the EXCEL Program, the Strategies for Success course, and campus tours. Students are advised through First Year Experience (FYAE) and the Strategies for Success course 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 freshmen and transfer student is required to attend an orientation prior to registering for classes. Students register for the program by visiting the First Year web site at http://www.fye.sdes.ucf.edu. In addition, LINK assists FTIC 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.

LINK First Year Experience Program
Coordinator, First Year Experience: Emily Jensen; PH 218; 407-823-5105
http://www.link.ucf.edu

Learning and Interacting with New Knights (LINK), a First Year Experience program, is designed to assist. First Time In College students with their transition to the University of Central Florida (UCF) by creating, coordinating and promoting campus-wide, co-curricular educational programming and activities. The main goals of the LINK Program are to get freshmen out having fun, meeting people, and getting connected to UCF. Through LINK, new Knights will be exposed to programs and events that will enhance their first year experience and overall success and satisfaction at UCF.

The LINK Program works with various UCF departments and programs to identify educational programs that support opportunities for new Knights to transition to and become better connected to UCF during their first year on campus. These co-curricular programs complement the in-class academic experience and help first-year students develop the skills necessary to be successful in college. The LINK Program packages these educational programs under the LINK name and promotes them to first-year students to encourage their active participation.

As an incentive to encourage first-year students to participate in programs, freshmen receive points for each LINK program in which they participate. These points are known as “LINK Loot.” Students receive LINK Loot points by swiping their UCF ID card at the beginning or end of each LINK program. First year students can use their LINK Loot points to bid on prizes at the LINK Auction or Raffle, held at the end of each semester. These points do not roll over between semesters in order to give students a fresh opportunity to get an oriented at the beginning of each new semester. In the past, prizes have included a $1,300 tuition scholarship, laptop computer, Nintendo Wii, television, iPods, bikes, theme park tickets and much more.

Last Fall semester, over 200 programs were LINK-connected, giving freshmen numerous opportunities to earn points and get connected to UCF. In the six years since its inception, LINK has awarded $14,300 in LINK Scholarships and over $30,000 in other prizes. No need to sign up for LINK—as long as you are a First Time In College student, you can start earning points NOW! But don’t wait; LINK is only for first year students and ends in April of Spring semester!

Fraternity and Sorority Life
Director: Belinda Boston; SU 154; 407-823-2072
(Greek Council Office, SU 154, 407-823-2072)
http://www.greeklife.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 promotes and fosters the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement.
Division of Student Development And Enrollment Services

ment, and sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and college/fraternity boards (i.e., Panhel Council, Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sororities or fraternities can offer students a "home away from home," a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. Currently we have 44 fraternities and sororities on UCF’s campus with more than 3,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF’s Greek community through participation in fraternity or sorority recruitment. The Interfraternity Council and Panhellenic Council sponsor "Recruitment" or "Rush," which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors “Meet the Greeks” and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups comprising their governing body. 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

Director: J. Robert Wirag; HC 309; 407-823-2094

Every health fee paying student is entitled to the benefits provided through UCF Health Services (HS), which are outlined in printed material available at the Health Center or on its Web site at http://www.hs.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 quality, outpatient clinical care and health promotion services that enhance, restore and maintain the optimal health of students by health care workers who welcome diversity and are committed to excellent, affordable, confidential and compassionate services that meet accreditation standards and enhance students’ learning experience in matters of personal health and well being.

Most office consultations and programs are provided without charge. However, Dental Center services, laboratory tests, x-rays, medications, allergy maintenance (co-pay), flu shots, immunizations and some procedures and supplies require additional but significantly reduced payments, which may be made with cash, credit card, personal check, or charged to the student’s account.

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. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orange area according to the patient’s preference.

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

An optional health and accident insurance plan for students by Aetna Student Health Insurance (http://www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by contacting the UCF HS Insurance Office (407-823-6426). This voluntary plan is separate from the health fee and covers most of the Health Services charges without a co-pay and also provides benefits for services that are beyond the scope of the campus Health Services such as urgent 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 administrator. 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 Pharmacy and Knight Aide are state-of-the-art facilities and Pharmacist 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 those students who do not have coverage.

The UCF Pharmacy is located on the first floor of the Health Center. 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.

In addition to access for clinical care services, the health fee entitles UCF students to use the Wellness Center located on the first floor of the Recreation and Wellness Center. The Wellness Center recognizes the impact of lifestyle on health and disease prevention by offering a wide range of health promotion services provided by professional health educators and peer health educators including anonymous and needle-free HIV testing, biofeedback relaxation training, nutrition workshops, massage therapy and the Comprehensive Health Assessment and Motivation Program (CHAMP) fitness and lifestyle evaluation-in-house and outreach workshops are available to students on a regular basis and program topics include stress management and relaxation strategies, weight management, body image and sexual health issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center and are available with LINK Loot.

Opportunities for student development include: Student Health Advisory Committee (SHAC), Student Wellness Advocate Team (SWAT), Graduate Assistantships, or becoming a Wellness Peer Educator or Health Advocate.

When the Health Center is closed, students may obtain information and help from the Health Services telephone message at 407-823-2701, its website, FreeMD (the web-based interactive system to help make decisions about health needs), or the 24 hour Nurse Line at 1-800-556-1555. If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via http://www.hs.ucf.edu. (charges for services are the student’s responsibility).

Wellness Center

Assistant Director for Health Promotion: Peter Mastroianni; RWC 111; 407-823-5841

http://hs.ucf.edu/wellness/

The Wellness Center, a division of UCF Health Services, is located on the first floor of the Recreation and Wellness Center. The professional staff and certified peer educators encourage students to make low-risk and responsible decisions about college health and wellness issues through one-on-one and peer group interactive programs and campus awareness events.

Program topics include good nutrition on a student budget, relaxation techniques for busy students, weight management, body image and sexuality issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center.

Free and low-cost services include the Comprehensive Health Assessment and Motivation Program (CHAMP), licensed massage therapy, biofeedback relaxation therapy, nutrition workshops and drop-in appointments with a registered dietitian/nutritionist, confidential and anonymous HIV testing, and body fat and blood pressure checks.

Most wellness programs offer LINK Loot and Healthy Knight points.

Housing and Residence Life

Director: Christi Hartzler; HAB; 407-823-4663

http://www.housing.ucf.edu

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus
housing is reserved for mostly incoming first-year students. A limited amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are all welcome at the Rosen College of Hospitality Management Student Apartments.

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 agreement.

Housing choices range from suite style residence halls to single bed rooms in apartments. Most first-year students who apply for academic year contracts will receive assignments in double room style 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.

**LEAD Scholars Program**

Associate Director: Stacey Malaret; SU 207; 407-823-2223
http://www.lead.sdes.ucf.edu

The LEAD Scholars Program is an intense and comprehensive two-year student development program for competitively selected, academically talented first year college students with experience and interest in leadership, academic excellence, and community service. LEAD Scholars join in a unique partnership with faculty, staff, alumni and community leaders as a way to make an immediate connection with academic and community life.

The primary goal of the LEAD Scholars Program is to prepare students to be effective leaders in personal, professional, and civic communities. This goal is achieved through three venues: academic excellence, leadership, and community service. Students are integrated with faculty in two-credit hour leadership courses that provide the primary means for facilitating the focus for study, advisement and educational activities as it relates to leadership, academic excellence and community service. First Time In College students from any major are eligible to apply to the LEAD Scholars Program.

The LEAD Scholars Program enables a selected number of students to develop professionally through a special mentoring relationship involving research and/or project development in their area of interest both on campus and in the community. Students are provided opportunities to work on project teams and special programs to develop their leadership skills. Specially structured community service projects are provided for students to enhance their community service development.

Students are selected for this two year program, prior to their freshman year, through a competitive process based on academic record, extracurricular and community activities, school recommendation, expressed interest in leadership, academic excellence, and community service. The LEAD Scholars Program serves as a bridge for participation in leadership opportunities as upper division students and in future community leadership roles.

**Multicultural Academic and Support Services (MASS)**

Director: Wayne Jackson; PH 102; 407-823-2716
http://www.mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Success (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and 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 and Director: Jimmy Watson; HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

Off-Campus Student Services and Student Neighborhood Relations assist students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information.

OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNR fosters a safe and supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or through campus referrals, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

The Student Neighborhood Relations program is designed to create a positive relationship between UCF Students living in surrounding neighborhoods and the permanent community residents.

**Office of Student Involvement**

Director: Kerry Welch; SU 208; 407-823-6471
http://www.GetInvolvedUCF.com

The mission of the Office of Student Involvement (OSI) is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors. Students and staff collaborate to explore various paths that encourage personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community. In OSI, the journey is the destination.

Toward this end, the Office of Student Involvement staff members oversee the registration and management of over 400 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Fraternity and Sorority Life, Homecoming, Knightcast, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

**Recreation and Wellness Center**

Director: James Wilkening; RWC; 407-823-2408
http://www.rec.ucf.edu

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The Recreation and Wellness Center is designed to enrich campus life and advance the university’s educational mission. Benefits of participation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services.

RWC is comprised of six different programs: Aquatics, Fitness, Intramural Sports, Outdoor Adventure, Athletic Training and Sport Clubs. The Recreation and Wellness Center and the programs it offers is open to all students with a valid UCF ID. Memberships are available for non-students.

RWC Indoor Facilities:

- Four indoor multipurpose courts
- 1/8 mile indoor track
- 12,000 sq. ft. weight floor
- 3,000 sq. ft. cardio floor
- 41 ft. Climbing Tower
- Group Exercise studio
- Spinning studio

RWC Outdoor Facilities:

- 181,000 gallon leisure pool ranging from zero to five ft. deep
- Four sand volleyball courts
- Three basketball courts
- Nine tennis courts

RWC Park:

-Six lighted artificial turf fields
- Softball/baseball field
- Four multipurpose grass fields

Challenge Course:

- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total
Division of Student Development And Enrollment Services

Campuses: Terry Exum; 321-433-7950; E-mail: rsss@mail.ucf.edu
Director, Student Services, UCF South Lake, UCF Leesburg and UCF Ocala Campuses: Pamela Brady; 352-536-2219; E-mail: wrrss@mail.ucf.edu
Coordinator, Student Services, UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses: Carol Black; 407-582-5487
Coordinator, Student Services, UCF Sanford/Lake Mary Campus: TBA; 407-705-2471

RESOURCES & DEPARTMENTS
Division of Student Development And Enrollment Services

certified health care professional. The RWC offers free athletic training
The Athletic Training program is geared towards the prevention, eval-

Aquatics
The Aquatics program is for those participants who enjoy swimming, aqua aerobics, or simply relaxing in the pool.

Fitness
The Fitness program promotes health and wellness in many ways. Group exercise classes including Yoga, Pilates, Spinning, traditional aerobic and resistance classes and assist participants in improving their cardio respiratory fitness while also building strength and endurance. Personal Training and Fitness Assessment services are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals. The Assisted Workout Program benefits those who need assistance and guidance with their workout. Graduate students working towards a degree in physical therapy have teamed up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

Intramural Sports
The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels. A unique aspect of the UCF program is referee development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community.

Outdoor Adventure
The Outdoor Adventure program is the university’s resource for adventure programming. Outdoor Adventure provides guided backpacking, sea kayaking, canoeing, and cycling trips that range from weekend trips around Florida and the southeast to week-long adventures in the mid-west and the east coast. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self/group awareness and interpersonal skills. The climbing wall, located in the RWC, allows participants to experience the thrill of climbing indoors. Lake Circle Recreation Area located just north of Greek Row is available for students to reserve for special events or enjoy the beachfront pier. Equipment is available with a valid UCF I.D. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

Athletic Training
The Athletic Training program is geared towards the prevention, evaluation, treatment, management and rehabilitation of athletic related injuries and illnesses by an AMA (American Medical Association) certified health care professional. The RWC offers free athletic training services to UCF students. Athletic Training hours vary, please visit our website for updated information at http://www.rec.ucf.edu.

Sports Clubs
The Sports Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport club is a Registered Student Organization (RSO) with the Office of Student Involvement (OSI). Sport Clubs exist to promote and develop interest in a particular sport activity. Interests may be competitive, recreational, instructional or any combination of the three. Participation in Sport Clubs is strictly voluntary. As RSO’s, clubs are developed by students for students under the supervision of the Recreation & Wellness Center. The Sport Club staff of the RWC believes that involvement in the Sport Club Program promotes development, leadership, and the overall college experience for students by supplementing skills learned in the educational realm. There are currently 37 sport clubs including: badminton, baseball, bowling, Brazilian ju-jitsu, butokukan, men’s crew, women’s crew, cuong nhu, cycling, fencing, ice hockey, kendo, kiteboarding, men’s lacrosse, mixed martial arts, rock climbing, roller hockey, men’s rugby, women’s rugby, men’s soccer, women’s soccer, softball, surf, swimming, table tennis, taekwondo, tennis, tri-knights, ultimate frisbee, women’s ultimate frisbee, men’s volleyball, women’s volleyball, wakeboard, men’s water polo, women’s water polo, wrestling.

Regional Campuses Student Services
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Director, Student Services, UCF Daytona Campus: Dianora Weidman; 386-506-4024; E-mail: erss@mail.ucf.edu
Director, Student Services, UCF Cocoa and UCF Palm Bay

Lake Claire Recreation Area:
- Two reservable pavilions with grills
- Equipment available for checkout: kayaks, canoes, pedal boats, cornhole and ladderball
- Pier with beachfront
- Open grass area

UNIVERSITY OF CENTRAL FLORIDA
http://www.rec.ucf.edu

http://www.gibill.va.gov/
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 have the 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. 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. Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. 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.

**Rosen College of Hospitality Management Student Life**

**Assistant Director:** Tiffany Greensis; 9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-803-8150

Student's campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life Office. Staffing and services provided through this office include: registered student organization support, on-campus student housing information, student activities programming and guidance, and support, and The Golden Rule interpretation.

**Sophomore and Second Year Center (SSYC)**

**Director:** Robert Snow; PH 215; 407-823-3375

http://www.sophomore.sdes.ucf.edu

The Sophomore and Second Year Center (SSYC) has a mission to 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 resources through technology, and assisting students with their progression towards graduation from UCF. SSYC provides ongoing 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.

The SSYC office has primary responsibility for connecting undecided (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 45 or more college credits earned from AP, IB, CLEP, 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.

**Student Academic Resource Center (SARC)**

**Director:** Jennifer Wright; PH 113; 407-823-5130

http://www.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, academic advising, 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, 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, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 250 courses.

Each semester, SARC also 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. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

SARC’s professional academic advisors provide support for students in the Pegasus Success Program, the College Achievement Program (CAP) and Spring Admitted First-Time-In-College students.

A learning skills specialist is also available for students who need study skills advice or those who wish to enhance their educational experience.

**Student Disability Services (SDS)**

**Director:** Pamela Rea; FC 132; 407-823-2371

http://www.sds.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), assistance with course registration, 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 administrative or academic 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 intake interview or request further documentation. Students must be registered with SDS to be eligible to receive academic 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 TTY/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

**Student Government Association**

OSI/SGA Advisors: Director Kerry Welch; SU 214; 407-823-2191

http://www.sga.ucf.edu

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 provides numerous services that affect student life. These services include free printing in the SGA computer lab, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, and Knightcast, and much more.

Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and cabinet,
oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues. All students are encouraged to take an active role in the Student Government Association. For information outlining how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

Office of Student Rights and Responsibilities
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. MacKown; FC 142; 407-823-6980 http://www.osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR is responsible for updating the Golden Rule Student Handbook. This office is also responsible for admission clearances, student life. Copies of The Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.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.

Dispute Resolution Services
Coordinator: Patty Farris; FC 142; 407-823-3477 http://www.drs.sdes.ucf.edu

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal conflicts. Clinical staff members are responsible for offering mediation services to students, faculty, and staff at no charge. Mediation training exists within these three services. OSRR also publishes the Student Handbook, The Golden Rule, which contains 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://www.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.

Student Legal Services
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. MacKown; FC 142; 407-823-2538 http://www.stulegal.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant, consumer, simple wills, traffic, and criminal. Each eligible student (i.e., an undergraduate or graduate student currently enrolled in UCF) is entitled to consult free of charge with a Program Attorney about any legal matter not excluded by program guidelines. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

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

The Student Union is the meeting place on campus and provides the community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackado’s Grub and Brew, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chao and Corner Cafe. Our latest addition is Brooklyn Pizza located at the Ferrell Commons complex. Retail stores include Grenadine, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, Kaplan Test Services, ATMs from SunTrust, Bank of America and the UCF Credit Union as well as a Postal Kiosk. For information, call 407-823-0001.

Transfer and Transition Services
Director: Charlene A. Stinard; PH 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 community colleges: Brevard, Lake Sunter, Seminole, and Valencia Community Colleges;
- Advising for transfer students who are undecided majors, undeclared, 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 undecided or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

University Testing Center (UTC)
Director: Rebecca Piety; PH 106; 407-823-5109 http://www.testing.sdes.ucf.edu

The University Testing Center administers the Academic College Test - Residual (ACT); Accuplacer; Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPES); Grammar Proficiency Exam (GPE); and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

- College Level Examination Program (CLEP)
- Graduate Record Examinations (GRE) – Subject Areas Only
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language (TOEFL IBT)

Upward Bound Program
Director: Rebekah McCloud; PH 208; 407-823-5595 http://www.upwardbound.sdes.ucf.edu

The Upward Bound Program provides first-generation, low-income high school students with access to postsecondary education as full participants. The program is designed to enhance the academic and personal skills of students. It prepares them while in high school for college admission, retention, and graduation. This program is supplementary to the students’ regular high school curriculum, and assists students to overcome barriers by providing tutoring, mentoring, academic workshops, academic counseling, academic instruction, assistance with standardized testing, life skills workshops, financial literacy, cultural events, college visits, assistance with the college admission process, and the financial aid process, and a six-week summer residential program.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.;
Progress Energy University Welcome Center; 407-823-3000;
E-mail: admission@mail.ucf.edu;
http://www.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 SUS transient students to the Orlando, Daytona, South Lake and Cocoa campuses. 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 community college visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our Web site 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 Web site at http://www.admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our Web site.

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Undergraduate Admissions office at 407-823-3000 or visit us at our Web site. 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.
Undergraduate Admissions

Application for Admission
All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://www.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. Questions concerning admission requirements and applications can be forwarded to admission@mail.ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority 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. Requests for housing are subsequently reviewed by date of the receipt of the housing application.

The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. 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 Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 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.

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 online at https://www.admissions.mca.ucf.edu/secure/react_app_login.asp by the published application deadline date. This process reactivates the original application. 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 students offered admission to the University or may be viewed on the Web site at http://fye.ucf.edu/.

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Seeking Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

Upper Division Transfer students may also apply to one of many Regional Campus sites. Please refer to the application.

Freshman Applicants
Any FTIC student who meets Department of Education minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. The University will do everything possible to admit all qualified applicants who apply by the priority deadline date. If the number of qualified applicants exceeds the number the University is permitted to enroll, admission will be on a selective basis. 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 a General Equivalency Diploma (GED).

Entrance Examination Scores
All 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. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
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<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>
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<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
All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for Admission:

If the High School GPA is: Minimum test scores must be:

<table>
<thead>
<tr>
<th>GPA</th>
<th>SAT or ACT</th>
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<tbody>
<tr>
<td>2.0</td>
<td>1680 25</td>
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<tr>
<td>2.1</td>
<td>1620 24</td>
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<td>2.2</td>
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<td>2.9</td>
<td>1390 20</td>
</tr>
<tr>
<td>3.0</td>
<td>* *</td>
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</tbody>
</table>

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE 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 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 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. 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 letter of recommendation from high school counselor or school district permission form; and,
   - written permission from parents or legal guardian.

2. Dual Enrollment On-Campus is for students who desire to dual enroll on a part-time basis, taking one or two courses on campus, while completing their 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://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college, Florida public state college, or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative 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 Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college 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 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 in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants With an A.A. Degree From a Florida Public Institution
Admission of Associate in Arts (A.A.) degree graduates from Florida public community colleges, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see Rule 6A-10.024), who has completed the university parallel program; and who has received the Associate in Arts degree, which includes all of the following:

- At least 60 credit hours of academic work exclusive of occupational courses and basic required physical education courses;
- An approved general education program of at least 36 credit hours;
- A GPA of at least 2.0 on a 4.0 system for all college-level academic courses attempted. (Only the final grade received in courses repeated by the student shall be used in computing the average.); and,
- One year of college instruction in a single foreign language. (This requirement applies to those students without the required two units of foreign language in high school.) Students who receive an Associate in Arts degree from a Florida public community college or university prior to September 1, 1989, but who have not met the foreign language requirement may be admitted to the University on a provisional basis.

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirement prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education 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 Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application;
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students complete the “Readmission Application” form.

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 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.

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 university, please refer to the “SUS Transient Students” section of this Undergraduate Catalog. 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.

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

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Soldiers-to-Scholars

- Continuing Education
- Regional Campuses
- Off-campus credit
- 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;
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 or to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our Web site at http://www.admissions.ucf.edu. Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.

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

Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL, P.O. Box 6151, Princeton, New Jersey, 08541-6151 or IELTS, http://www.ielts.org/default.aspx.

Results of the SAT or ACT may 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), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.
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 Web site at http://www.hs.ucf.edu. 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 an F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance.

Non-Academic Admission Clearances

Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may be excluded from or suspended from 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 community college. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic.

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 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 Florida public community colleges or universities 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.

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. 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; E-mail: finaid@mail.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 e-mail 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 and 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 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 form as considered for attendance. UCF must be listed on the FAFSA in order to receive the data. UCF’s Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date
All students must apply or reapply yearly for financial aid. To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal 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 who apply for aid and whose file is completed after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the Web site 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 Web site and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, 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.
Estimated Cost of Attendance for 2010-2011

### Undergraduate Students

<table>
<thead>
<tr>
<th>Living Arrangement</th>
<th>On/Off Campus</th>
<th>Parent/Relative</th>
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</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$4,518</td>
<td>$4,518</td>
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<tr>
<td>Books</td>
<td>924</td>
<td>924</td>
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<tr>
<td>Room &amp; Board</td>
<td>8,574</td>
<td>4,450</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>2,276</td>
<td>2,276</td>
</tr>
</tbody>
</table>

#### Florida Residents

- Total Costs: $18,092

#### Non-Florida Residents

- Total Costs: $33,406

### Financial Aid Programs Available at UCF

- **Scholarships**: Awarded based on various criteria, including financial need, academic performance, leadership roles.
- **Grants**: 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.
- **Work Study**: Designed to provide students who demonstrate financial need a chance to earn money while pursuing a degree.
- **Federal Work Study**: Available for undergraduate students who demonstrate financial need.
- ** Loans**: Borrowed funds that must be repaid. A male applicant must be registered with Selective Service, if applicable. Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications.
- **Federal Stafford Loan**: Available for undergraduate students who demonstrate financial need.

### Helpful Hints

- **Apply early** to be considered for full range of financial aid available each year by completing the Free Application for Federal Student Aid (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.
- **Make a copy** of tax return forms before submission to IRS.
- **Start a folder** to save financial aid information and photocopies of all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- **Maintain a current e-mail and mailing address** on myUCF at all times.
- **Complete all items necessary to apply** for both a Federal Pell Grant and a Federal 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 anytime**, call the appointment line, 407-823-5285, to meet with a counselor.
- **Comprehensive information** can be found on the Web site: http://financial.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 Web site for the estimated Cost of Attendance.
Student Financial Assistance

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 Web site 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. Students selected for Verification will not have access to accept their loans until all required documentation has been submitted and Verification has been completed. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop classes, a final their class deferment may keep the classes active even if they are never attended.

Disbursements

Financial aid disbursements begin the second week of each term. Students should be aware of this so 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/visiting/disbursements.html. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disburses, the funds first apply towards university debts. Any remaining balance is refunded to the student one of two ways. If a student has provided his/her bank information to set up Direct Deposit on myUCF, then the refund is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

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.

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

- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If students fail to pass both of these reviews, they will be placed on Satisfactory Academic Progress cancellation status, effective the following academic year, beginning fall term. Students on probation must meet standards each term.

- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If students fail to pass both of these reviews, they will be placed on Satisfactory Academic Progress cancellation status, effective the following academic year, beginning fall term. Students on probation must meet standards each term.

- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF. (see chart below)


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, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:

- Attach documentation that supports specific circumstance(s) to the appeal form, and;
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance.

After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Transfer Students

Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates.

You have an additional obligation for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates.

If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, Code 003954, by utilizing Part II of the Student Aid Report, by adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master's or doctoral program (beyond a bachelor's degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshmen</td>
<td>Undergraduate 180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
</tbody>
</table>
Dual 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. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Dual Enrollment/Transient Form Dual Enrollment/Transient Form;
2. Advisor Certification Form with all required signatures;
3. A copy of the Fee Invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

Dual 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, confirming that the attempted hours are completed. This will help avoid 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 might have to repay a portion of that assistance. Students who received Federal 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.
STUDENT TUITION AND FEES

Student Accounts Office
Associate Controller: Dan Mayo,
MH 107, 407-823-2433,
Email: stuaccts@mail.ucf.edu
http://www.fa.ucf.edu/Student_Services/Student_Services.cfm
http://www.fa.ucf.edu/Cashier/Cashier.cfm

General Information
The Office of Student Accounts 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 Accounts Office is responsible for:
- Tuition and Fee Assessment/Refunds
- (Student Accounts, MH 107)
- Processing Payments (Cashier’s Office)
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2010-2011 tuition and fees had not been established at the time of this publication. Rates for the 2010-2011 academic year will be available in early July 2010 at http://www.iroffice.ucf.edu/character/current_tuition.html.

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.

Fee Invoice: A printed Fee Invoice confirms fees and course registration. Fee Invoices are available 24/7 on the web at http://www.my.ucf.edu, kiosks, and from the student’s college advising offices. Students must obtain a current Fee Invoice prior to making payment at one of the payment locations. Fee Invoices are not mailed. Generate and print an initial Fee Invoice after initial registration of courses. Courses that are added or dropped after initial registration of courses require that a new Fee Invoice be generated and printed; this must be compared to initial invoice to ensure that the fees are adjusted.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid by the payment deadline for each term will result in late fees and could result in the cancellation of all classes.

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 or withdraw from courses so as to avoid additional financial obligations.

2009-2010 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
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<tr>
<td>Tuition</td>
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<td>$237.56</td>
<td>$88.59</td>
<td>$237.56</td>
</tr>
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<td>Differential Tuition*</td>
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<td>$6.41</td>
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<tr>
<td>Out-Of-State</td>
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<td>$491.41</td>
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<td>Building Fee</td>
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<td>$2.32</td>
<td>$2.32</td>
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<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$245.7</td>
<td>$377.4</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
</tr>
<tr>
<td>Health Fee* (per hour)</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$150.85</td>
<td>$306.31</td>
<td>$666.83</td>
<td>$1099.01</td>
</tr>
</tbody>
</table>

*Fee charged to main campus and Rosen College courses only.

Note: 2010-2011 tuition and fees were not available at the time of this publication. Rates for the 2010-2011 academic year will be available in early July 2010.

2009-2010 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$88.59</td>
<td>0.00</td>
<td>$88.59</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$491.41</td>
<td>0.00</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>0.00</td>
<td>$2.32</td>
<td>0.00</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>0.00</td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.42</td>
<td>0.00</td>
<td>$4.42</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$245.7</td>
<td>$377.4</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.64</td>
<td>0.00</td>
<td>$10.64</td>
<td>0.00</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.68</td>
<td>0.00</td>
<td>$12.68</td>
<td>0.00</td>
</tr>
<tr>
<td>Health Fee* (per hour)</td>
<td>$8.99</td>
<td>0.00</td>
<td>$8.99</td>
<td>0.00</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$7.94</td>
<td>0.00</td>
<td>$7.94</td>
<td>0.00</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4.42</td>
<td>0.00</td>
<td>$4.42</td>
<td>0.00</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$186.87</td>
<td>0.00</td>
<td>$186.87</td>
<td>0.00</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$329.31</td>
<td>$0.00</td>
<td>$845.29</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th>Fees</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance Learning Course Fee (per hour)</td>
<td>$18.00</td>
<td></td>
</tr>
<tr>
<td>UCF Campus Card Fee (per academic year)</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Campus (ID) Card Replacement Fee</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Material and Supply Fee (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
<td></td>
</tr>
<tr>
<td>International Student Service Fee (per term)</td>
<td>$50.00</td>
<td></td>
</tr>
<tr>
<td>Repeat Course Fee (per hour)</td>
<td>$108.7</td>
<td></td>
</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment)</td>
<td>up to: $90.00**</td>
<td></td>
</tr>
<tr>
<td>Late Registration Fee (per term)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Late Payment Fee (per term)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Returned Check Fees:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check amounts up to $50.00</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $50.00 up to $300.00</td>
<td>$50.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $300.00</td>
<td>$40.00 or 5%; whatever is greater</td>
<td></td>
</tr>
</tbody>
</table>

**These fees are subject to change by action of the Board of Trustees.

Zero Hour Registration: Students registering for zero credit hours pay for a minimum of one credit hour at the level they are classified. Fees are subject to change without notice.

Note: 2010-2011 tuition and fees were not available at the time of this publication. Rates for the 2010-2011 academic year will be available in early July 2010.

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement: “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 due date, I may 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 consequences.”

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadline to be considered on time.
Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time. Payments cannot be transmitted by telephone.

Acceptable forms of payment:
Cash (Main Cashier’s Office)
Checks
Credit cards
E-Pay — https://my.ucf.edu — E-Check or credit card — nonrefundable $10 convenience fee per transaction. Payments made at anytime on the date of the published fee payment deadline will be considered on time.
Mail - Please do not send cash — Include the student’s name and PID on checks or money orders.

Address payments to: University of Central Florida
Cashiers Office
P.O. Box 160115
Orlando, FL 32816-0115

Payment Locations (refer to http://fa.ucf.edu for office hours):
Cashier’s Office - Main Campus - MH 110 - 407-823-2614
Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188
24-Hour Depository - Millican Hall at Reflection Pond Entrance
Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

Credit card payments may be made online, through myUCF E-Pay (https://my.ucf.edu), or at any of the Cashiers’ Offices. A mandatory, nonrefundable $10 convenience fee will be charged each time a student chooses to pay tuition or other state mandated fees through E-Pay.

Other Forms of Payment
Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by the fee payment deadline as described under Payment Procedures.

Financial Aid – see Student Financial Assistance for rules and procedures. All fees not deferred by financial aid are due by the fee payment deadline.

Florida Prepaid College Plan
For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Office (MH 107) by submitting a request not to bill FFP on or before the first day of the Drop/ Swap and Add period.

The standard plan will cover $97.77 per credit hour (graduate or undergraduate level) for the 2009-2010 academic year. The plan does not cover the local fees of $40.25 per credit hour, material/supply fees, equipment fees, Distance Learning course fee, Technology fee or the UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $130.08 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our Web site http://www.fa.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

Note: The 2010-2011 tuition rates had not been established at the time of publication.

Tuition Waivers
State of Florida Employees Tuition Waiver
Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the employee register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-attempt repeat courses, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Office (MH 107). Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline will incur a $100.00 Late Payment fee. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Registrar’s Office Web site at http://www.registrar.ucf.edu/State_UCF.html for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

UCF Employees Tuition Waiver
UCF employees, including faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources web site at http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

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 in which the refund or other appeal action is requested. Any debts to the University will be deducted from the refund, up to the full amount.
**Full Refund Eligibility**
The following conditions allow a full refund: 1) A class is dropped 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 are available upon an administrative withdrawal from one or more 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.

**Direct Deposit**
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be direct deposited to any U.S.A. bank of their choice. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at my.ucf.edu and click on Student Self Service. Go to the Student Accounts 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 be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by 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. Payment guidelines for off-campus registration are contained on the off-campus registration form.

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

Late Registration Fees are charged to Students who enroll following the close of Add 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.

**Fee Appeals**
Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at http://fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts (MH 107) and may appear before the Committee (not mandatory). Forms faxed to Student Accounts should be addressed: Attn: Fee Appeals Coordinator, 407-823-6476.

**Holds**
Holds due to unpaid tuition and fees that prevent registration and the receipt of transcripts will automatically be removed overnight once fees are paid.

**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 (formerly 240.1201) and Board of Regents chapter 6C-7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for undergraduate students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

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

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

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

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides.
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, 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; 
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts); 
   f. Verification of permanent employment in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency; 
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State; 
   h. Proof of continuous presence in Florida during periods when not enrolled as a student; 
   i. Proof of former domicile in Florida and maintenance of significant connections while absent; 
   j. Proof of reliance upon Florida sources of support; 
   k. Proof of domicile in Florida of family; 
   l. Proof of admission to a licensed practicing profession in Florida; 
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual; 
   n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere; 
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)
Office will review student requests for changes in residency for purposes for all newly admitted students. Thereafter, 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. UCF makes 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 supporting 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. Documentation received after the last day of “Late Registration and Add period” will not be used to determine residency for the current term. 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.
Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, IB 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
   b. Academic Services for Student-Athletes (ASSA) - for student athletes
   c. Student Academic Resource Center (SARC) - for students in the College Achievement Program (CAP) or Pegasus Success Program
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses
3. 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 of enrollment. 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.
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 USS to review academic progress and develop or update an academic plan. This plan should be reviewed prior to registration each term;
2. Review Degree Audit on myUCF. Check myUCF, CBA TV monitor, or the USS Office for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if admitted to the major. All changes to your class schedule must be completed by the end of the drop/swap and add periods;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with an academic advisor in USS during the semester/term prior to the anticipated graduation term. File the "Intent to Graduate Form" by the end of the term prior to the term preceding that which is planned for graduation.

College of Education
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level 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 Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with an academic advisor if accepted in a major or the Office of Student Affairs, if a "pending major", to review academic advising sessions and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an "Intent to Graduate" on-line 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 (ENGR 107) if Engineering Pending 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 246;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration 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. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process; and,
7. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs
New students will:
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services by the end of the term prior to the anticipated graduation term.

Continuing students will:
1. See the COHPA Undergraduate Student Services (HPA2, 115) during the first few months of the first term to be advised toward the major;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements;
3. File an "Intent to Graduate Form" with an advisor in COHPA Undergraduate Student Services 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 courses (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time.
   Complete all schedule changes by the end of the published add period;
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

Pre-Health Professions Advisement
The Pre-Health Professions Advisement Office (HPA 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 include 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 term 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
- Genelice: 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
- Microbiology/Molecular Lab: BSC 3403C
- Calculus: MAC 2253 (prefer MAC 2311, 2312
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023

*Molecular Biology and Microbiology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C

For additional recommended courses, contact the Pre-Health Professional Advisement Office (HPA 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 pending major, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

College of Sciences
Although students may have multiple advisors, College of Sciences majors must meet with their faculty academic advisor in their major department and/or the staff of the College of Sciences - Academic Support (COSAS, located in CBS 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 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 schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/

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 in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;
3. Meet with an advisor in the department of their minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;
2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at https://my.ucf.edu;
3. Meet with an advisor in the department of their minor to review progress and prior to graduation, confirm that the minor requirements have been met;
4. File an “Intent to Graduate” online through myUCF by the 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. See a Program Advisor prior to registration to select courses and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
4. 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
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 are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:
1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the Community College in the DirectConnect to UCF program and continues with the 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” chapter 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.
Transfer and Transition Services

Director: Charlene A. Stinard; PH 221; Orlando, FL 32816-0123
407-823-5959; Fax: 407-823-3955; E-mail: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

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 Web site 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 advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Web site 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 Community College Counselor or Advisor Help Me?

It is important that you are kept informed of all requirements for transferring to UCF. Community college 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 Brevard Community College, Lake-Sumter Community College, Seminole Community College, and Valencia Community College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?

Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

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

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, 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 If I Have Not Taken the CLAS?
Students may be admitted without completing the College Level Academic Skills requirement. However, without the CLAS completed, you are not awarded the A.A.; privileges provided by the A.A. are not granted; (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).

If you have not met the CLAS requirement, you must satisfy all four parts of the CLAS by the time you have completed 36 hours of upper-division course work. UCF accepts the CLAS alternatives and waivers awarded by Florida public community colleges and universities.

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs. The CLAS will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAS, contact the University Testing Center, 407-823-5109.

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 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 coursework 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

**Transfer Checklist**

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y__ N__ met with a DirectConnect advisor</td>
<td><em><strong>/</strong></em> date Student Health Form submitted</td>
</tr>
<tr>
<td>Y__ N__ met with counselor or advisor for graduation check</td>
<td>Y__ N__ need immunizations</td>
</tr>
<tr>
<td>Y__ N__ completed application for graduation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> date submitted</td>
<td>Y__ N__ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y__ N__ checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
<td>Y__ N__ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td><em><strong>/</strong></em> date of acceptance</td>
<td>Y__ N__ credits to be taken at the university</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Orientation:</th>
<th>Orientation date at UCF</th>
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</thead>
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<tr>
<td><em><strong>/</strong></em></td>
<td><strong>/</strong>_</td>
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</table>

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. 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 community colleges or other state universities, please go to: http://www.facts.org > College Students > Transferring > Common Program Prerequisites
Transfer and Transition Services

Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

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

Financial Aid deferments will automatically be reflected on your Fee Invoice. If the total amount of your tuition and fees exceeds the amount of your deferment, the difference must be paid by the due date on your Fee Invoice. The following programs are not included in the automatic deferral program: work/study programs, third party 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 public community college that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Community college 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 Web site at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising
- Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisers 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 accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advisement hold.

Students should:
- Submit your application 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 “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- 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.
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 completion of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Fulfill the CLAST requirement;
- 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. UCF will accept a similar statement applicable; and, Earn a minimum of 9 credit hours during Summer terms, if applicable; and, Be registered at UCF during the semester of graduation.

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 public community colleges, state colleges, or state universities may be admitted to 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 needed to engage in those pursuits, to develop their ability think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases, alternate courses 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 public community colleges 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. 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.
## DEGREE REQUIREMENTS

### Satisfactorily complete one course in each of the twelve numbered areas. 36 hours

#### A. Communication Foundation

<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 1</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II PR-ENC 1101 1, 2</td>
<td>3(3,0)</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3,0)</td>
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<td>SPC 1603</td>
<td>Fundamentals of Technical Presentation</td>
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</tr>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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</table>

#### B. Cultural and Historical Foundation

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra 2</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics 2</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
<td>3(3,0)</td>
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<tr>
<td>STA 1060C</td>
<td>Basic Statistics using Microsoft Excel</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics 2</td>
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#### D. Social Foundation

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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3(3,0)</td>
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<tr>
<td>ECO 2051</td>
<td>Principles of Microeconomics</td>
<td>3(3,0)</td>
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<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3,0)</td>
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<tr>
<td>PSY 2012</td>
<td>Introduction to Psychological Science</td>
<td>3(3,0)</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3(3,0)</td>
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<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
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#### E. Science Foundation

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3(3,0)</td>
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<tr>
<td>PSG 1121*</td>
<td>Physical Science PR: MAC 1105 or MGF 1106</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I: MAC 1105 and MAC 1114</td>
<td>4(3,3)</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biological Principles</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GLY 3030</td>
<td>Geology &amp; Its Applications</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GEO 1200*</td>
<td>U.S. History: 1877-1977</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3(3,0)</td>
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<tr>
<td>MCB 1310</td>
<td>Intro to Biotechnology and Genetic Engineering</td>
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</table>

* A one credit laboratory is also available for this course.

### 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>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra 2</td>
<td>3(3,0)</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics 2</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>Physics</td>
<td>3(3,0)</td>
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<tr>
<td>CHM 1020</td>
<td>Chemistry</td>
<td>3(3,0)</td>
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<tr>
<td>BSC 1050</td>
<td>Biology</td>
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<tr>
<td>GEO 1200</td>
<td>Geography</td>
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### 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 public state university or community college. 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 General Education Oversight Committee, so students should consult their departmental advisor for the most current list.

### Education Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3(3,0)</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>General Sociology</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3(3,0)</td>
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<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3(3,0)</td>
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<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
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### Other Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
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<tbody>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

"A" grade of "C-" (1.75) or better is required in this course.

"A" grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

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.
Undergraduate Degree Requirements

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:

1. Six hours of mathematics at
   (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 coursework with significant college level writing

   and six hours of additional courses from those following:

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

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 U.S. History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EUH 2000 Western Civilization I
- EUH 2001 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2220 Humanistic Tradition II
- WOH 2012 World Civilization I
- WOH 2022 World Civilization II

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

- AMH 2010H Honors US 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 4180 Jacksonian America
- AMH 4201 The Gilded Age and Progressivism
- AMH 4270 United States History: 1939-1960
- AML 3031 American Literature I
- AML 3034 American Literature II
- AML 3283 Contemporary American Women’s Fiction
Undergraduate Degree Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3286</td>
<td>Early American Women's Words</td>
<td>HUM</td>
</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
<td>HUM</td>
</tr>
<tr>
<td>AML 3815</td>
<td>Harlem, Haiti, and Havana</td>
<td>JOU</td>
</tr>
<tr>
<td>AML 3843</td>
<td>Contemporary American Prose and Poetry</td>
<td>JOU</td>
</tr>
<tr>
<td>AML 3862</td>
<td>Ethnic Literature in America</td>
<td>JOU</td>
</tr>
<tr>
<td>AML 3862H</td>
<td>Honors Ethnic Literature in America</td>
<td>JOU</td>
</tr>
<tr>
<td>AML 4101</td>
<td>American Novel</td>
<td>JOU</td>
</tr>
<tr>
<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
<td>LAH</td>
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<tr>
<td>AML 4155</td>
<td>Modern American Poetry</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
<td>LAH</td>
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<tr>
<td>AML 4265</td>
<td>Florida Writers</td>
<td>LAH</td>
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<tr>
<td>AML 4300</td>
<td>Major American Authors</td>
<td>LIT</td>
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<tr>
<td>AML 4304</td>
<td>Whitman and His Heirs</td>
<td>LIT</td>
</tr>
<tr>
<td>AML 4321</td>
<td>Modern American Literature</td>
<td>LIT</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latino/Latina Language</td>
<td>LIT</td>
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<tr>
<td>ANT 3183</td>
<td>Mesoamerican Archaeology</td>
<td>LIT</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>LIT</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
<td>LIT</td>
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<tr>
<td>DAN 3134</td>
<td>Dance History I</td>
<td>LIT</td>
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<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I</td>
<td>LIT</td>
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<tr>
<td>ENC 412C</td>
<td>Interdisciplinary Design I</td>
<td>LIT</td>
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<tr>
<td>ENC 4501C</td>
<td>Engineering Design I</td>
<td>LIT</td>
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<tr>
<td>ENC 4511H</td>
<td>Honors Freshman Composition I</td>
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<td>ENC 4511H</td>
<td>Honors Freshman Composition II</td>
<td>LIT</td>
</tr>
<tr>
<td>ENC 2127</td>
<td>Grammar and Composition</td>
<td>LIT</td>
</tr>
<tr>
<td>ENC 2210</td>
<td>Writing for the Business Professional</td>
<td>LIT</td>
</tr>
<tr>
<td>ENC 2411C</td>
<td>Digital Literacy for the Liberal Arts</td>
<td>LIT</td>
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<tr>
<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing</td>
<td>LIT</td>
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<tr>
<td>ENC 3211H</td>
<td>Honors Theory and Practice of Technical Writing</td>
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<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
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<td>ENC 3241H</td>
<td>Honors Writing for the Technical Professional</td>
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<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>LIT</td>
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<tr>
<td>ENC 3310</td>
<td>Magazine Writing I</td>
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<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
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<td>ENC 3905</td>
<td>Directed Experience in Writing</td>
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<td>ENC 3942</td>
<td>Journal Writing Practicum</td>
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<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
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<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
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<td>ENC 4262</td>
<td>International Technical Communication</td>
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<td>ENC 4265</td>
<td>Writing for the Computer Industry</td>
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<td>ENC 4280</td>
<td>Technical Writing Style</td>
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<td>ENC 4290</td>
<td>Usability Testing for Technical Communication</td>
<td>PHE</td>
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<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
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<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
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<tr>
<td>ENC 4313</td>
<td>Research Writing</td>
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<td>ENC 4360</td>
<td>Nature Writing</td>
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<td>ENC 4414</td>
<td>Writing and Hypertext</td>
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<td>ENG 3010</td>
<td>Practical Criticism</td>
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<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td>PHE</td>
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<td>ENG 3073</td>
<td>Cultural Studies Literature</td>
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<td>ENG 4114</td>
<td>Literature and Film</td>
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<td>ENG 4614</td>
<td>Discourse of Global Culture Studies</td>
<td>PHE</td>
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<td>ENL 2012</td>
<td>English Literature I</td>
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<tr>
<td>ENL 4220</td>
<td>English Renaissance Poetry and Prose</td>
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<td>ENL 4230</td>
<td>18th Century Studies</td>
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<td>ENL 4240</td>
<td>English Romantic Writers</td>
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<td>ENL 4253</td>
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<td>ENL 4262</td>
<td>Nineteenth Century British Prose</td>
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<td>ENL 4303</td>
<td>British Authors</td>
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<td>ENL 4311</td>
<td>Chaucer</td>
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<td>ENL 4333</td>
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<td>EUH 2000H</td>
<td>Honors Western Civilization I</td>
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<td>EUH 3122</td>
<td>Medieval Society and Civilization</td>
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<td>EUH 3142</td>
<td>Renaissance and Reformations</td>
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<td>Modern Europe and the First World War</td>
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<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe</td>
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<td>EUH 3451</td>
<td>History of Modern France</td>
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<td>EUH 4284</td>
<td>Fascism and the Totalitarian Dictatorships</td>
<td>PHE</td>
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<tr>
<td>EUH 4465</td>
<td>Hitler's Third Reich</td>
<td>PHE</td>
</tr>
<tr>
<td>EUH 4500</td>
<td>English History to 1485</td>
<td>PHE</td>
</tr>
<tr>
<td>EUH 4501</td>
<td>English History: 1485-1815</td>
<td>PHE</td>
</tr>
<tr>
<td>EUH 4502</td>
<td>British History: 1815-Present</td>
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</tr>
<tr>
<td>EUH 4571</td>
<td>History of Russia to 1801</td>
<td>PHE</td>
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<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917</td>
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<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century</td>
<td>PHE</td>
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<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914</td>
<td>SOW</td>
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<td>HIS 4150</td>
<td>History and Historians</td>
<td>SOW</td>
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<tr>
<td>HUM 2212H</td>
<td>Honors Humanistic Tradition I</td>
<td>SOW</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies</td>
<td>SOW</td>
</tr>
<tr>
<td>HUM 3394</td>
<td>Representations of Place and Space</td>
<td>SOW</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>SOW</td>
</tr>
<tr>
<td>HUM 3431</td>
<td>Ancient Humanities</td>
<td>SOW</td>
</tr>
</tbody>
</table>
College Level Academic Skills (CLAS) Requirement

The College Level Academic Skills (CLAS) requirement is part of Florida’s system of educational accountability that measures a student's attainment of the college-level communication and mathemetics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

Since August 1, 1984, students in public postsecondary institutions in Florida have been required to meet CLAS requirement for the award of an Associate of Arts degree, for admission to upper-division status and the award of a baccalaureate degree in a state university in Florida. Prior to July 1, 2009 students could meet the CLAS requirement by taking the CLAST (College Level Academic Skills Test) exam, or the alternative methods of ACT, SAT, or coursework. Effective July 1, 2009 the CLAST exam was no longer administered. Recent Florida legislation, Senate Bill 1676, repealed the use of the CLAST to measure the CLAS requirement. However, the CLAS requirement does remain in effect. All scores earned prior to July 1, 2009 will still be valid.

Current options for students who still need to satisfy the CLAS requirement are (subject to Florida legislative changes):

- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009
- Achieving a score that meets or exceeds a minimum score on a nationally standardized exam (SAT and ACT)
- Achieving a 2.5 GPA in applicable coursework

SAT Scores: A student who scores 500 or above on the on the quantative section of the SAT is exempt from the Math section. A student who scores 500 or above on the verbal section of the SAT is exempt from the Essay, English Language Skills, and Reading sections.

ACT Scores: A student who earns a score of 21 or above on the Math section of the ACT is exempt from the Math section. A student who earns a score of 22 or above on the Reading section of the ACT is exempt from the english Language Skills, and Reading sections.

Coursework

- Students must earn a 2.5 GPA in a minimum of 6 credit hours in a combination of at least one (1) course with the ENC prefix and any other course, except those with the SPC prefix that is designated as a “Gordon Rule” writing course in order to be exempt from the Essay, English Language Skills, and Reading sections of the CLAS requirement. (Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

- Students must have a 2.5 GPA in a minimum of 6 credit hours in any combination of two (2) applicable math courses, including any Gordon Rule Statistics course in order to be exempt from the Math section of the CLAS requirement. (Refer to the UTC website at http://www.testing.sdes.ucf.edu/clasoptions.php for a complete list of applicable math courses. Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

Students must complete the CLAS requirement prior to the end of their sophomore year in college. An appeal to temporarily remove the CLAS hold and continue enrollment in upper division courses may be submitted to the CLAS Requirement Petition Committee (PH 106). In order to be eligible to apply for the petition you must meet one or more conditions. Academic advising offices can answer questions students may have regarding the CLAS Requirement. There are several methods by which students may meet this requirement, but applicants for teacher certification must check with the College of Education in order to determine what requirement you need to meet. Additional information regarding the CLAS requirement may be obtained from the University Testing Center (PH 106) or online at http://www.testing.sdes.ucf.edu.

Students with 60 or more credit hours who have not met the CLAS requirement may experience delayed course registration. Students who have not met the CLAS requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be prohibited from registering until the requirement is met.

Transfer Students

Transfer Students with 60 or more credit hour who have not met the CLAS requirement may be admitted, but must take the ACT or SAT during their first semester at UCF. Transfer students with 60 or more credit hours may experience delayed course registration. Transfer students who have not met the CLAS Requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be prohibited from registering until the requirement is met.

CLAS Waiver

The State Board of Education and the Florida Statutes permit an institution president, under certain conditions, to grant a waiver for one or more sections of the CLAS requirement. The student must be unable to satisfy the CLAS requirement due to disability. Once a request is approved, the student must be registered with Student Disability Services (FC 132) and have on file documentation of his/her disability. The CLAS Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS waiver process, please see the Student Development and Enrollment Services CLAS Waiver website at http://www.claswaiver.sdes.ucf.edu. UTC is not responsible for the CLAS waiver process.

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. Courses taken at the Florida university during the summer for which the student receives a “W” or “F” may be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

Admission to the Upper Division

To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One-year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline

Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Registry. Undergraduate students must be enrolled at the University during the summer for which the student receives a “W” or “F” to be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses

The Correspondence Courses offered by 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 e-mail). 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 in correspondence courses at 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.
Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. One diploma will be awarded with both majors indicated. 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. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- 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 CLAST, 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 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 REGULATIONS AND PROCEDURES

Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Summer I and Fall Registrations begins during the last week 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 web page at http://www.registrar.ucf.edu/web/.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A semester credit hour is based on the equivalent of three hours of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

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

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

Excess Hours
Effective Fall 2009, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the State statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each excess credit hour of credit hours in excess of 120% of the number required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. 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 web site at http://registrar.sdes.ucf.edu.

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 either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the “Academic Calendar”). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the “Withdrawing Policy” of the Undergraduate Catalog. Please note that, beginning May 2009, the deadline to drop classes without fee liability and a W grade is one day earlier than the last day to add classes. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

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 “Registration” section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s Web site (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 is earned). 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 web site: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the first hour 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 only basis on the last day 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, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

State Tuition Exemption Program (STEP) (National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) students register 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/academic. Students must present a “Certification” letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

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

UCF Students Attending Another Florida Public Institution
UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the “Transient

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Student Form online, which is available on the FACTS Web site at http://www.facts.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the 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-US Institution
A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.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 30 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.degreeverify.org. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy
Withdrawal for each term begins after the drop 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 407-823-5620. 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, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from a term prior to the intended start of not returning to UCF, they may also drop courses for any future terms or be fee liable and receive a grade.

A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class. No withdrawal is permitted after the withdrawal deadline 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 view the Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult the Registrar’s Office (MH 210). Students who are granted a late withdrawal may receive a passing or failing grade from the instructor of the course. If the student was passing, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). 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.

If a medical withdrawal is approved, a “WM” will be recorded for each course. 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 immediate 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 liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

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.

Withdrawal and Academic Behavior Violations
Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the student and the Academic Behavior Representative. Only a written release from the authorized party deciding a student appeal will permit withdrawal. Withdrawal. 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 President 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>Grades</th>
<th>Grade Points</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
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</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td></td>
</tr>
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<tr>
<td>C+</td>
<td>2.25</td>
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</tr>
<tr>
<td>C</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
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<td>D-</td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
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</tr>
<tr>
<td>NC - No Credit</td>
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</tbody>
</table>

Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

Grades Semester Hour of Credit
A 4.00
A- 3.75
B+ 3.25
B 3.00
B- 2.75
C+ 2.25
C 2.00
C- 1.75
D+ 1.25
D 1.00
D- 0.75
F 0.00
NC - No Credit
Legend |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Action</td>
</tr>
<tr>
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<tr>
<td>X</td>
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</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 faculty by the 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" designator 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 student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and I grades. GPA is recalculated after each term; for Summer GPA is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 (C+). Example: A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per grade, then add each amount to arrive at the total number of grade points earned for that term:
   - Course #1: B+ 3 credit hours X 3.25 grade points = 9.75
   - Course #2: A 3 credit hours X 3.75 grade points = 11.25
   - Course #3: A 4 credit hours X 4.00 grade points = 16
   - Course #4: B 3 credit hours X 3.00 grade points = 9

   = 13 credit hours = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned 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 circumstances, and when all requirements can be completed in a short time following the end of the term. When an instructor assigns an "I" grade for a course, the student is notified through e-mail about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar’s Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of "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 one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student’s academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports
Grades are available from myUCF at https://my.ucf.edu/ or the UCF kiosks where a hard copy of grades per term may be printed via the “Print” browser function.

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 illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional confer- ences) and 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, should 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 (422, 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student’s satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student’s college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the classroom. In these circumstances, students are responsible for the class from which the student will be absent.

If further verification is needed, contact the Office of Student Rights and Responsibilities (422, 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

Subject 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

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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 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 do not earn any “I,” “U,” “N,” “NC” or “WF” grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean’s List

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

Baccalaureate Honors and Diplomas

The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:
Summa Cum Laude for those students in the upper 2.5 percent Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent Cum Laude for those students in the upper 10 percent, but not in the upper five percent

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

Consult the Academic Honors list at http://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 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/. 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 “F” 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;
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;
Academic Regulations and Procedures

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 offer 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 Public Community College 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 Public Community College 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; and;

11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college credit course more than twice shall pay matriculation at 100% of the full cost of instruction (Non-Florida Resident rates).

Academic Standing

All academic actions are shown on myUCF at https://my.ucf.edu and on the transcript. The action is generated due to course completion. Changing a course grade does not necessarily change academic standing. 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 possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)

A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF’s general education program, CLAST, and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar.

Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “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 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 receives an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college 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 courses 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 bachelor’s degree.

The application deadline for readmission is as follows: for Summer, April 1; for Fall, July 1; and for Spring, November 1.

Readmission Following Non-Enrollment for Two Consecutive Semesters

The student must complete and submit the “Readmission Application Form,” available at the Registrar’s Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as a Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar’s Office establishing his or her eligibility for Florida residency for tuition purposes. For eligibility requirements, refer to ‘Florida Residency for Tuition Purposes’ within “Financial Information” of the Undergraduate Catalog.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on “Academic Probation.”

All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in “Good Standing” (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.
Academic Regulations and Procedures

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points
A student who has been academically Disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the “Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:
1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;
2. Contact the Registrar’s Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major’s department/college may be required as part of the readmission application packet. Until reclassified from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).
   The Registrar’s Office will review the readmission application only when it receives all of the documents listed above. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See “Right of Appeal” below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

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

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

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

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

Excluded students are not eligible for 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-8.001(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; 3) students requesting to continue in school, but who have failed to meet CLAS requirements; and 4) 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 is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:
1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit 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).

Excluding students who have not completed the required suspension period, the appellant will be afforded the opportunity to personally appear before the Committee before it renders a decision.

Upon receipt of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is 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.

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 official UCF course records for which the student enrolled during the selected consecutive terms all grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Admissions and Standards Committee.

2) The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program. The student will be required to appear before the Admissions and Standards Committee. Obtain the Academic Amnesty form at http://www.registrar.ucf.edu.

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 will 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.

Address and E-Mail 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 e-mail 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.

Request Transcripts

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 Web site 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 e-mail requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office at the office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail requests for transcripts to: Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. 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 Accounts Office (MH 107).

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.

Extemuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:
Academic Regulations and Procedures

1) Medical condition or serious illness preventing completion;
2) Death of an immediate family member;
3) Involuntary call to active duty; or,
4) Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:
Should include, but not be limited to, the following:
1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.

For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, entering students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. The “Undergraduate Major Change Form” is available at the college and school advising offices or of from the Registrar’s Office Web site at http://www.registrar.ucf.edu. Forms may be submitted in person to the college/school advising offices, by mail, or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Minors

A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than completion of the student’s “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

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 45 days of the 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 the right to a hearing. 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. In accordance with Florida Statutes Section 22B.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
**FERPA policy**, enter the Department of Education Family Policy procedures for confidentiality. For additional information describing this information be withheld.

Students can do this online at myUCF or complete the "Directory to withhold any or all information, including "directory information." signed consent. The University extends to students the opportunity FERPA; in most cases this requires the student's prior written and All other student information will be released in accordance with

**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/hear/](http://www.registrar.ucf.edu/hear/).

**Accelerated Educational Opportunities**

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor’s and Master’s degree listed in the Undergraduate Catalog.

**Test credit is applied according to the published policy at the time the credit is received and posted by the University.**

**Advanced Placement Program (AP) (see table below)**

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

**Advanced Placement Language (all modern languages)**

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

**Advanced Placement Literature (all modern languages)**

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>SCI Found 2</td>
<td>ARH 2050 and 2051</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 2010C</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2111</td>
<td>MAT Found 1</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
<td></td>
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<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>MAC 2311 and 2312</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>SCI Found 1</td>
<td>CHM 2045C or CHM 2045 and 2046L</td>
<td>Same as 4</td>
<td>CUL Found 1</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>SCI Found 2</td>
<td>CHI 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>Computer Science A</td>
<td>CGS 1075</td>
<td>MAT Found 2</td>
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<td>MAT Found 2</td>
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<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
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<td>MAT Found 2</td>
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<tr>
<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>Same as 4</td>
<td>COM Found 1</td>
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<tr>
<td>English Literature and Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and LIT 1005</td>
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<td>COM Found 1</td>
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<tr>
<td>Environmental Science</td>
<td>ISC 105L</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>European History</td>
<td>EUH 1009</td>
<td>SCI Found 2</td>
<td>EUH 2000 and 2001</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 2200</td>
<td>SCI Found 2</td>
<td>FRE 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
</tr>
<tr>
<td>French Literature</td>
<td>FRW 3100</td>
<td>SCI Found 2</td>
<td>FRW 3100 and 3101</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
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<tr>
<td>German Language</td>
<td>GER 2200</td>
<td>SCI Found 2</td>
<td>GER 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>COP 1002</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
<td>SCI Found 2</td>
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<td>SCI Found 1</td>
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<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>SCI Found 2</td>
<td>ITA 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>SCI Found 2</td>
<td>JPN 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1</td>
</tr>
<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Latin: Vergil</td>
<td>LNW 2251</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Music Theory</td>
<td>MUT 1001</td>
<td>SCI Found 2</td>
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<td>MUT 1111 and MUT 1241</td>
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<td>PHY 2053C and 2054C</td>
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<td>RUS 2200</td>
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<td>SPW 3100</td>
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<td>SPW 3100 and 3101</td>
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<td>STA 2203</td>
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<td>ART 2300C</td>
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<td>WOH 3002</td>
<td>SCI Found 2</td>
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<td></td>
</tr>
</tbody>
</table>

**Additional Information**

- If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.
## Academic Regulations And Procedures

### 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.

### International Baccalaureate Program

(see table below)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit.

### International Baccalaureate

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>SCI Found 1</td>
<td>GEB 2011 and 2905</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1000 and 1020L</td>
<td>MAT Found 2</td>
<td>CHM 1000/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 or 1096</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>MAT Found 2</td>
<td>ETI 1410 and 2006</td>
<td>SCI Found 1</td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 1</td>
<td>ECO 2013 and 2023</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Economics and Societies</td>
<td>EOV 1017</td>
<td>SCI Found 1</td>
<td>EOV 1017 and 2006</td>
<td>SCI Found 1</td>
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<tr>
<td>English</td>
<td>ENC 1101</td>
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<td>ENC 1101 and 2006</td>
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<td>Environmental Systems</td>
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<td>SCI Found 1</td>
<td>ISC 1005 and 2006</td>
<td>SCI Found 1</td>
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<td>Film Studies</td>
<td>FIL 1001</td>
<td>SCI Found 1</td>
<td>FIL 1001 and 1002</td>
<td>SCI Found 1</td>
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<tr>
<td>French</td>
<td>FRE 1121</td>
<td>SCI Found 1</td>
<td>FRE 1121C and 1200</td>
<td>SCI Found 1</td>
</tr>
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<td>Further Mathematics</td>
<td>MHF 1202</td>
<td>SCI Found 1</td>
<td>MHF 1202 and 1209</td>
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<td>(Advanced Mathematics)</td>
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<td>SCI Found 1</td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 1</td>
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<td>German</td>
<td>GER 1121</td>
<td>SCI Found 1</td>
<td>GER 1121C and 2000</td>
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<td>History</td>
<td>WOH 1030</td>
<td>SCI Found 1</td>
<td>WOH 1030 and WOH 1999</td>
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<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1906 (3 credits)</td>
<td>SCI Found 1</td>
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<tr>
<td>Islamic History</td>
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<td>ASH 1906 (6 credits)</td>
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<td>LAT 2230 and 1906</td>
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<td>MAC 1105</td>
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<td>MAC 1105 and 1140</td>
<td>SCI Found 1</td>
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<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>SCI Found 1</td>
<td>MAT 1033 and 1140</td>
<td>SCI Found 1</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>SCI Found 1</td>
<td>MAC 1147 and 2233</td>
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<td>Music</td>
<td>MUL 2010</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>SCI Found 1</td>
<td>PHI 1010 and 1906</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SCI Found 1</td>
<td>PSY 2012 and 1906</td>
<td>SCI Found 1</td>
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<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SCI Found 1</td>
<td>ANT 2140 and 1906</td>
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<td>SCI Found 1</td>
<td>SPN 1121 and 1230</td>
<td>SCI Found 1</td>
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<tr>
<td>Theatre Arts</td>
<td>THE 2000</td>
<td>SCI Found 1</td>
<td>THE 2000 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<td>SCI Found 1</td>
<td>ART 1012 and 1906</td>
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</tbody>
</table>

*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
<td>SCI Found 1</td>
<td>Score of 50 or higher earns</td>
</tr>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>SCI Found 1</td>
<td>Score of 50 or higher earns</td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1215</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
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<td>American Government</td>
<td>POS 2041</td>
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<tr>
<td>American Literature</td>
<td>AML 1000</td>
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<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
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<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
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<td>English Composition with Essay</td>
<td>ENC 1101</td>
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<td>English Literature</td>
<td>LIT 1000</td>
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</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
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<tr>
<td>German Language</td>
<td>GER 1120C</td>
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<td>DEP 2040</td>
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<td>Humanities</td>
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<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
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<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
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<td>Management, Principles of</td>
<td>MAN 2021</td>
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<td>Marketing, Principles of</td>
<td>MAR 2011</td>
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<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SCI Found 1</td>
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<td>Precalculus</td>
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<td>SCI Found 1</td>
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<td>Psychology, Introductory</td>
<td>PSY 2012</td>
<td>SCI Found 1</td>
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<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SCI Found 1</td>
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<td>Spanish Language</td>
<td>SPN 1120C</td>
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<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
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<td>SCI Found 1</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>SCI Found 1</td>
<td>Score of 50 or higher earns</td>
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</tbody>
</table>
for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

International Baccalaureate (all modern languages)
International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language I 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.

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
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<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
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</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
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<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
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<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2005</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
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<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
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<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
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<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482 and ETI 1906</td>
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<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
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<td>English (AS-Level)</td>
<td>ENC 1101</td>
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<td>English - Literature in English (A-Level) #</td>
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<td>Environmental Science (AS-Level)</td>
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<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<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>
<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
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<td>German (A-Level)</td>
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<td>History (AS-Level)</td>
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<td>HIS 1906 (6 credits)</td>
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<td>Latin (AS-Level)</td>
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<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
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<td>Marine Science (A-Level)</td>
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<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
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<td>MAC 2311</td>
<td>MAT Found 1</td>
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<td>Music (AS-Level)</td>
<td>MUH 1001</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
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<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>Sci Found 1</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
</tr>
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<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Sociology (AS-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
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<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
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<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<td>Thinking Skills (AS-Level)</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>
<td></td>
</tr>
</tbody>
</table>

*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.
*If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 2100.

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.

Awards 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 credit.
in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

**CLEP Language Examinations**

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120C-1121C). A score at or above the second CLEP threshold level (generally numbered 1120) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit can otherwise be awarded for CLEP foreign language exams.

**Credit by Examination**

Regularly enrolled (excludes transient and non-degree) undergraduates at the University of Central Florida may obtain credit for courses that they believe he or she has acquired the knowledge and/or skills through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills for an examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

**Cambridge AICE Exams (see table on previous page)**

The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” Information about the program, including course syllabi, can be found online at [http://www.cie.org.uk/qualifications/academic/uppersec/alevel](http://www.cie.org.uk/qualifications/academic/uppersec/alevel).

**DANTES Examination Credit (see table below)**

The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantes Examination credit. For additional information: [http://www.getcollegecredit.com](http://www.getcollegecredit.com).

**Excelsior College Examinations (see table below)**

The table labeled “Excelsior College Examinations” provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at [http://www.excelsior.edu](http://www.excelsior.edu).

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### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
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<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
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<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<td>Business Law II</td>
<td>BUL 2242</td>
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<td>Criminal Justice</td>
<td>CJC 1000</td>
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<tr>
<td>Environment and Humanity</td>
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<tr>
<td>Ethics in America</td>
<td>PHH1630</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCH 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
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<td>History of the Vietnam War</td>
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<td>MAN 1300</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>Intro to Computing</td>
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<td>Intro to the Modern Middle East</td>
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<td>Introduction to Business</td>
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<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychology</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>Money and Banking</td>
<td>BAN 1501</td>
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<tr>
<td>Principles of Finance</td>
<td>PIN 1000</td>
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<td>Principles of Financial Accounting</td>
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<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1630</td>
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<td>Principles of Statistics</td>
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<tr>
<td>Principles of Supervision</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
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<td>Abnormal Psychology</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>COM Found 1</td>
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<td>Foundations of Gerontology</td>
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<td>Microbiology</td>
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International Studies
Director: Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

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 the dynamics of the group. 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, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the 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 France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

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: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jönköping and Malardalen universities in Sweden; and Northampton University 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 process 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
Director: Sheri Dressler; Ferrell Commons, Suite 203; 407-823-2687
http://www.explearning.ucf.edu

Experiential Learning provides instruction and instructional support for experience-based learning courses at UCF. Its mission is to 1) encourage all UCF students to include some form of experiential learning in their academic programs before graduation; 2) instruct cooperative education (co-op) and internship courses and support faculty in other academic departments to create and instruct internship and service-learning courses; 3) promote the measurement of student learning outcomes across disciplines for students in experience-based learning courses; 4) provide faculty training and quality assurance processes for the creation and instruction of high quality experiential learning courses; 5) create meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally; and 6) collaborate closely with other UCF departments, such as the Faculty Center for Teaching and Learning, International Services Center, Career Services, and Financial Aid.

The Office of Experiential Learning has received national recognition for its institutional support, program innovation, quality instruction and broad-based collaboration. It provides a menu of options to undergraduate and graduate students in all Colleges, resulting in almost half of the student body participating in experiential learning experiences each year. Students are encouraged to come to the Office of Experiential Learning early as possible to receive advising and assistance to obtain opportunities and include these courses in their academic programs.

The Experiential Learning department instructs co-op and internship courses and supports department faculty in the development and instruction of internship and service-learning courses. It administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need and supports ArtsBridge, a program in which Art, Music and Theatre majors teach course content through the arts in local schools. All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, and gain the personal, academic and professional competencies that they need to be successful employees and engaged community members 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 the Office of Experiential Learning or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning web site.

Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program.
Service-Learning is a means of incorporating 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.

Current co-op and internship opportunities through the Office of Experiential Learning, requirements for participation, and information and materials for Service-Learning are all listed on the Experiential Learning Web site. To participate in co-op, or internships, students may complete an application online any time during the year, preferably during the term before they want to participate to allow time to obtain an appropriate learning experience. Once students apply online, they meet with Experiential Learning faculty to be referred, obtain opportunities and register for courses.

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski; BAX 113; 407-823-5243
http://www.ncasports.org

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect change. The NCAS reaches this goal in the Central Florida community and in southeast region by making programs available 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, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports Web site at http://www.ncasports.org.

Division of Continuing Education
Assistant Vice President/Director: TBA; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244
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 degree students, area professionals, corporations, K-12 students, domestic and international corporations, and local/state/federal government.

Off-Campus College Credit Programs
Assistant Vice President/Director: TBA; University Tech Center, 12565 Research Parkway, Suite 390; 407-882-0260; Fax: 407-882-0244

Off-Campus College Credit Programs assists 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 at the various business, educational, or governmental locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research
The Biomolecular Science Center
Director: P. E. Kolattukudy, BL 136; 407-823-1312; Fax: 407-823-0956

The Biomolecular Science Center is housed in the Burnett School of Biomedical Sciences, College of Medicine. The mission of this University-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The research at the Center is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease. See Burnett School of Biomedical Sciences, College of Medicine section or visit http://www.biomed.ucf.edu for more information.

Center for Economic Education
Director: Robert L. Pennington; BAX 303E; 407-823-2640

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 schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the Council for Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819, 407-903-8010; Associate Director: Robertico Ceres; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028; E-mail: DPI@mail.ucf.edu

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 activities 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, and travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

Executive Development Center
Executive Director, Bob Case, 407-235-3904; Associate Director, Jaime Patterson, 407-235-3912; 407-235-3901; E-mail: 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 leading 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 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 Programs
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find the programs to be contemporary, challenging, and effective.

Florida-Canada Linkage Institute
Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: fcl@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhance-
ment 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 community colleges 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; 407-882-2300; Fax: 407-882-0240; E-mail: eel@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 community colleges for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

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

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

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. We serve as a valuable resource for local government information and provide the public sector and non-profit 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; Fax: 321-638-1010.

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Its facilities are located on the Cocoa campus of UCF at Brevard Community College. FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, pollutants, production processes and photolytic processes. It operates the only certified solar equipment testing program in the country. The yearly value of FSEC’s external contracts exceeds its state support by a factor of two. The Center conducts continuing education workshops for teachers, professionals, government and industry leaders around the world. FSEC's technical library boasts one of the nation’s most extensive holdings on solar and alternative energy.

**Florida Space Institute (FSI)**

**Acting Director:** Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9834; Fax: 321-452-4842; E-mail: fsiccas@mail.ucf.edu

http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources, FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida headquatered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

In addition to traditional classrooms, FSI has complete laboratories for supporting research projects, a satellite ground station, and a launch site for launching sub-orbital rockets to space. Additionally, we utilize 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; 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-882-1335; E-mail: shumaker@ist.ucf.edu

http://www.ist.ucf.edu

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

IST laboratories, work space, and administrative offices occupy major portions of three 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 (PEO STR); 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 an estimated 150 public and private entities specializing in simulation and training and located along the Central Florida High Tech Corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

IST’s research staff of scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Departments 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
- Media convergence
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curriculum and supports students with a master's degree in simulation systems at the university in collaboration with IST now offers a truly multidisciplinary PhD 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. In partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is 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 programs to continue their advanced education and hone their research skills.

The institute includes in its efforts the 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 through 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.
Special Academic Programs and Research Institutes

**Institute of Statistics and Data Mining**
*Director: David M. Nickerson; CC2 206; 407-823-5528; E-mail: nickersn@mail.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; 865-579-3306; http://www.orau.org*

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

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are 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 either of the contacts 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 Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

**Small Business Development Center (SBDC)**
*Regional Director: Eunice Choi; Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; E-mail: echoi@bus.ucf.edu; http://www.bus.ucf.edu/sbdc*

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including six Sub-Centers located at Daytona State College, Brevard Community College, Seminole State College, Kissimmee Chamber of Commerce, Leesburg Incubator, Lake Sumter Community College-Clermont. Assistance is provided through workshops and individual counseling in the following areas:

- **Start-Up**
- **Finance**
- **Accounting**
- **Accounting**
- **Operations**
- **Management**
- **Technology**
- **Business Plan Development**

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
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 and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 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. An Associate of Arts degree will not be awarded 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 Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. 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, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre, 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 Administration, 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
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.), 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: Biotechnology, Medical Laboratory Sciences, Molecular Biology and Microbiology

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising/Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Social Sciences, Sociology
Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, 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
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<tr>
<th>College of Arts and Humanities</th>
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<tr>
<td>College of Business Administration</td>
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<tr>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
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<tr>
<td>College of Education</td>
<td>Name of Minor</td>
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<tr>
<td>College of Engineering and Computer Science</td>
<td>Name of Minor</td>
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<tr>
<td>College of Health and Public Affairs</td>
<td>Name of Minor</td>
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<tr>
<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/American Humanics National Certification Program, Public Administration, Urban and Regional Planning</td>
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<tr>
<td>College of Medicine</td>
<td>Name of Minor</td>
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<tr>
<td>Molecular Biology and Microbiology</td>
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<tr>
<td>College Awarding Minor</td>
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<tr>
<td>Rosen College of Hospitality Management</td>
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<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
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</table>

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

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

**Graduate Programs**

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog: [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
The Burnett Honors College

Dean: Alvin Wang;
407-823-3449, Fax 407-823-6583
http://www.honors.ucf.edu

Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Interim Director of Information Systems: Michael Callahan
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: Nicole Gelfert
Director of Student Services: Madi Dogariu

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, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and 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 parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed 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.

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 the student must: 1) complete 4 Honors lower-division courses; 2) complete the freshman Honors Symposium, and 3) meet 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

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The current upper-division³ requirements are as follows:

- University Honors Upper-Division Program Requirements:
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete two Honors upper-division Business courses
    3. Complete two Honors upper-division Business courses
    4. Complete two Honors upper-division Business courses
    5. Complete two Honors upper-division Business courses
    6. Complete an additional Honors Interdisciplinary Seminar 3 or three credit hours of independent study

- University Honors Upper-Division Program Requirements:
  - College of Business Administration (excluding Economics (B.A.))
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete two Honors upper-division Business courses
    3. Complete two Honors upper-division Business courses
    4. Complete two Honors upper-division Business courses
    5. Complete two Honors upper-division Business courses

- University Honors Upper-Division Program Requirements:
  - College of Engineering and Computer Science Excluding Computer Science, Information Technology, Information Systems Technology and Engineering Technology
    1. Complete one Honors Interdisciplinary Seminar³ outside the student’s department of major (although it may be within the College of Engineering and Computer Science)
    2. Complete two Honors upper-division Engineering courses
    3. Complete the Honors Engineering Research Seminar

Consult 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 Seminar³
2. Complete two Honors upper-division Computer Science courses

- University Honors Upper-Division Program Requirements:
  - College of Health and Public Affairs (COHPA)
    1. Complete one Honors Interdisciplinary Seminar³ outside major dept.
    2. Complete one Honors Interdisciplinary Seminar³ offered by COHPA
    3. Complete an additional Honors Interdisciplinary Seminar 3 or three credit hours of independent study

Acceptable Waivers

Please see The Burnett Honors College Web site at: http://www.honors.ucf.edu for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 107) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

Notes

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar.

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College
http://www.honors.ucf.edu/Admissions_UCF-USF.asp

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity guaranteed admission to University of South Florida’s College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor’s Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in Molecular Biology and Microbiology in order to receive a Baccalaureate Degree from UCF.

The Burnett Honors College will provide oversight of the student’s progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of course work taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

The USF College of Medicine will provide oversight of the 4-year medical school curricular component of the program.

Eligibility Requirements

- Florida resident
- SAT score of 1350 or ACT of 30
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with one letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at http://www.honors.ucf.edu/Admissions_UCF-USF_Require.asp

Honors in the Major

Application for admission to the Honors in the Major program will be made 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 placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://www.research.honors.ucf.edu/him/

Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 credit 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 must 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 student’s 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 other tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which 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@mail.ucf.edu.

Student-Mentor Academic Research Teams

TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty members in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.research.honors.ucf.edu/smart/. If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) provides all UCF students with information and advising for major national and international fellowships and scholarships of a prestigious nature. OSSFA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Jack Kent Cooke, Truman, and Goldwater scholarships. While OSSFA is housed within The Burnett Honors College, it serves the entire UCF community.

OSSFA 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 OSSFA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877, visit BHC 107 or http://www.ossfa.honors.ucf.edu.
The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women’s Studies, and Middle Eastern Studies. The college also houses the School of Visual Arts and Design, offering degrees in art, architecture, and digital media.

In keeping with the aims 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 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. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. 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.
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: African American, American, Asian, Judaic, Latin American, Caribbean and Latino 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.

**African American Studies** - Contact: JoAnne Stephenson; 407-823-0026
**American Studies** - Contact: Lyman Brodie; 407-823-2251
**Asian Studies** - Contact: Paul Giordano; 407-823-2472
**Judaic Studies** - Contact: Moshe Pelli; 407-823-5039
**Latin American, Caribbean and Latino/a Studies** - Contact: José Maunez-Cuadra; 407-823-1173
**Middle Eastern Studies** - Contact: Husain Kassim; 407-823-2803

**Preprofessional Programs**

**Prelaw Program**

*Prelaw Advisor: Jennifer Mundale; CNH 411L; 407-823-5076*

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 202; 407-823-3312;*  
*E-mail: cahsa@mail.ucf.edu*  
*http://www.cah.ucf.edu/students/advising.php*

CAH Student Advising (CAHSA) is the primary office for undergraduate academic advising 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 the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. 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: African American, American, Asian, Judaic, Latin American, Caribbean and Latino Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across
The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multi-disciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theater. 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:** African-American Studies

### American Studies: Program

**Contact:** Lyman Brodie; CAH 190; 407-823-2292

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 India, China, and Japan. 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:** Janet Kilbride; VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

**Degrees:** None  
**Tracks:** None  
**Minors:** Community Arts

### Department of English

**Chair:** David Wallace; CNH 405; 407-823-1159;  
E-mail: english@ucf.edu  
http://www.english.cah.ucf.edu

**Faculty:** Angel, Apellen, Barnes, Bartkevicius, Bell, Bowdon, Brain, Brodkin, Campbell, Casmer-Paz, Cato, Dombrowski, Ethridge, Flamini, Good, Grajeda, Hasanat, Hemschemeyer, Hepner, Hohenleitner, Hubbard, Jensen, A. Jones, D. Jones, Kamrath, Kesler, Kyle, Lillios, Logan, Marinara, Mauer, Meehan, Mohrenne, Moran, Murphy, Neal, Oliver, Owens, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Shutz, Scott, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, Wallace, Wardle, Weaver, Young;  
Professors Emeriti: Adicks, Omans, Schifffhorst

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 stu-
Judaic Studies: Program
Program Director: Moshe Polli; CNH 201; 407-823-5039 or 823-5129; E-mail: judaist@ucf.edu
http://www.judaicstudies.cah.ucf.edu
Faculty: Hanson
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, Certificate

Latin American, Caribbean, and Latino Studies
Program Director: José Maunez-Cuadra; CNH 201; 407-823-1173; E-mail: jmaunez@pegasus.cc.ucf.edu
http://www.lassc.cah.ucf.edu

The Latin American Area Studies Minor provides 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: None
Tracks: None
Minors: Latin American Area Studies

Middle Eastern Studies: Program
Program Director: Husain Kassim; CNH 411J; 407-823-2803; E-mail: kassim@mail.ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://www.middleseasternstudies.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; E-mail: foreignlanguages@ucf.edu
http://www.mlil.cah.ucf.edu


The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language. 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), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music
Chair: Jeffrey Moore; CNH 205; 407-823-2879; Fax 407-823-3378; E-mail: music@ucf.edu
http://www.music.cah.ucf.edu

Faculty: Almeida, Batzner, Boukobza, Brodie, Brunner, Danielson, Garcia, Gay, Holcomb, Hunt, Koons, Marosi, Moore, Pherigo, Pickering, Potter, Rupert, Scharron, Stephenson, Thornton, Warfield, Weremchuk, Yonelani; Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus

The Department of Music offers a Bachelor of Music degree with options in performance 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. 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, Composition (BM)
Tracks: Music Performance, Composition
Minors: Music

Department of Philosophy
Chair: Bruce Janz; Psychology Bldg. 220; 407-823-4416; E-mail: philosophy@ucf.edu
http://www.philosophy.cah.ucf.edu

Faculty: Burris, Cash, Compson, Congdon, Coverston, DiBernardo, Evans, Fiore, Hawkins, Janz, Jones, Kassim, Mundane, Park, Schippert, Stanlick, Strawser, Vest; Professor Emeritus: Flick

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious 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), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)
Tracks: Regular and Honors
Minors: Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion & Popular Culture; Religious Studies
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

The School of Visual Arts and Design combines traditional studio arts, design, and art history with emerging media concepts that are the foundation of animation, game and interactive design. The traditional art forms of painting, drawing, photography, ceramics and sculpture continue to supply core skills necessary to pursue professional careers in both new and traditional media occupations. When these skills are integrated with interactive design principles and programming, students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

Degrees: Art (BA, BFA, MFA), Digital Media (BA, MA)
Tracks: Art History, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design
Minors: Art History, Digital Media, Studio Art

Women’s Studies: Program
Program Director: M.C. Santana; CNH 411; 407-823-6502; E-mail: womenst@ucf.edu
http://www.womensstudies.cah.ucf.edu
Faculty: Oliver, Preston, Santana

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.oias.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 endeavors. 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 Public Community College, 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 and CLAS.

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 community colleges 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.
Advisement

Undergraduate Student Services

Director: Randall Brumfield; BA 201; 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 Ball 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

Title                        Degree
Accounting                   BSBA, MSA, MST
Business Administration      BA, BSBA, MS, Ph.D.
Economics                    BSBA
Finance                      BSBA
General Business             BSBA
Management                   BSBA, MS HR
Marketing                    BSBA
Business (Regional campuses only) BABA
Real Estate                  BSBA, MSRE

Departments and Programs

Kenneth G. Dixon School of Accounting

Director: R. Roberts; Director: BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-5678

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 excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)

Minors: Accounting

Department of Economics

Chair: W. Milan; BA2 305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofler, Martin, McHone, Milan, Moore, Pennington, Potter, Rustrom, Scrogin, Soksin, Underwood, White, Yang

Faculty Advisors: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scrogin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

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

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program
Minors program of study. will be assigned to assist each student in developing a meaningful advisement in the Department of Economics. An academic advisor which will satisfy career objectives not provided for by the specialized This option allows students to develop a general program of study and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

The Department also offers an accelerated undergraduate/graduate program for highly qualified majors in Economics. The Economics BA/MS program provides a broad liberal arts education and leads to a graduate degree in 5 years.

Distinctive Benefits
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of tracks and electives.
- Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

Degrees: Business Economics (BSBA, MS, Ph.D.)
Economics (BA)

Minors: Economics

Department of Finance
Chair: A. Byrd; BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Singer, Smith, Sweo, Sturm, Weaver, Whyte

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

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

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance

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

General Business
Faculty Advisor: F. Jones; BA 335; 407-823-2679

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

Degrees: General Business (BSBA, MBA, Ph.D)
Minors: For non-Business majors

Department of Management
Chair: F. Jones; BA 335, 407-823-2679

Faculty: Ambrose, Becker, Blencoe, Boettcher, Cleavenger, Connell, Folger, C. Ford, R. Ford, Harris, Hollan, Keon, McDonald, Migenes, Nichols, O’Neal, Putchniski La, Putchniskii, L, Quinn, Rockmore, Schminke, Tzabar, Viggiano

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations. The curriculum is designed so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management track prepares students for a career that involves decision making responsibilities regardless of organization or assignment. The department goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. The General Management track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

Distinctive Benefits
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.

Degrees: Management (BSBA), Human Resources (MS)
Tracks: General Management, Entrepreneurship, Human Resource Management
Minors: Entrepreneurship

The General Management track prepares students for careers in business financial management, investments, banking and real estate.

The Marketing major at UCF provides a superior education in the foundations of marketing such as research, consumer behavior, professional selling, management, and strategy. A wide assortment of electives is designed to let each student round out his/her education according to specific career interests, whether that might be retailing, advertising, e-business, research, sales, sport marketing, healthcare, entertainment marketing or professional services. Internships are readily available, and count as a marketing elective. Skills emphasized and developed throughout the curriculum are teamwork, communication, creativity, quantitative analysis, computer skills, problem solving, decision-making, and thinking globally.

The department’s newest offering is the Professional Selling Program, which is a track within the major. Admission to the program is competitive in the Spring of each year; application and interviews are required. Additional information about the program can be found on the Department’s web site.

A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sport Marketing Management, Healthcare Marketing, Entertainment Marketing and...
Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers a 19-hour minor in Marketing. This course of study provides a strong basic education in Marketing for 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 student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sport marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

**Distinctive Benefits**
- Curriculum for marketing majors recognized as one of the most innovative in the country.
- Professional Selling Program track offered within the major—competitive entry.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with other majors.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer—you can finish.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major and internships.
- Opportunities to participate in student chapters of The Society for Marketing Professional Services (SMPS) 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. Department 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.o eas.ucf.edu/alc/alc_students_cba.htm](http://www.o eas.ucf.edu/alc/alc_students_cba.htm)
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Success to Significance
- America’s 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with eleven Central Florida school districts
- 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
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- 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 Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education 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)
- Florida Marriage and Family Research Institute
Admission to the College of Education

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 community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAS. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- 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 education common program prerequisite area.

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 Public Community College 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. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education 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 Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended 407-823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education 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.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Office of Student Affairs, 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. Purchase and 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 Student Affairs

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Programs in Education (MPE), Student Services, and the Academic Advising Center.

Mission Statement
The mission of the College of Education Office of Student Affairs is to provide seamless services and resources to current and prospective students including recruitment, pre-advising, orientation, program advising, financial assistance, internships, graduation certification, and graduate education. To promote student success, we collaborate with and support College of Education faculty, administrators, and community partners.

Clinical Experiences

Director: Bryan Zugelder: 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’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that certain crimes 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 Web site and are approved by the Office of Clinical Experiences.

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 certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. 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 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
- 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.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for Internship II.

Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 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 before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- 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
Minority Programs in Education (MPIE)
Sandra L. Bulger, ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE 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
- Assist in job placement
- 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 as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Application deadlines:
July 1 for Fall semester
November 15 for Spring semester

Student Services
Director, Undergraduate Services: Sandra L.Bulger; ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small; ED 110, 407-823-3723
Director, Graduate Services: Andrea Withington; ED 110; 407-823-3723
http://education.ucf.edu/studentservices/

Student Services assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Education Pending majors are advised in Student Services. Students are assigned an advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Affairs or at http://www.studentservices.education.ucf.edu/.

Minority Programs in Education (MPIE) may specify a different GPA requirement for admission.

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 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 masters 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 Teacher Education.
Academic Advising Center

Director: Sandra L. Bulger; ED 175; 407-823-0043
Assistant Director: Andrea Small, ED 175; 407-823-2022

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

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, appointment and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education Web site.

Department of Child, Family, and Community Sciences

Chair: Anne McDonald Culp; ED 209-E; 407-823-1272
Assistant to the Chair: Roanne G. Brice; ED 206-H; 407-823-0664

Undergraduate academic majors leading to bachelor’s degrees and certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-kindergarten Exceptional Student Education is embedded in this certification). Students majoring in Exceptional Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Several graduate level programs are available in the department:
- Sport and Fitness, http://pegasus.cc.ucf.edu/~sportfit/

See individual program Web sites and the graduate catalog for additional details. You can start by going to the CFC/CS Web site: http://education.ucf.edu/cfcs/

Department of Educational Research, Technology and Leadership

Chair: Grant Hayes; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623
Faculty: Alexander-Snow, Atkinson, Bai, Beverly, Boyd, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, McGee, Miller, Murray, B., Murray, K., Pawlas, Sivo, Taylor, Witta

The Department of Educational Research, Technology and Leadership (ERTL) is a graduate department with programs in Educational Leadership K-12, Instructional Technology/Media, and Higher Education and Policy Studies. The Educational Research faculty is responsible for training students college-wide in Educational Research, Measurement and Evaluation.

ERTL is guided by the University mission: “achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university; and by the College of Education’s vision of "scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service."

Department of Educational Studies

Chair: Karen L. Braimah; ED 209-B; 407-823-2426
Assistant to the Chair: Brenda Thompson; ED 206-E; 407-823-6579

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the M.A. in Curriculum and Instruction and the M.Ed. in Teacher Leadership and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education. Educational Studies’ graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

Department of Teaching and Learning Principles

Chair: Michael Hynes; ED 209-D; 407-823-2005
Assistant to the Chair: Janet Zajac, ED 206-C; 407-823-0523 and Maria Cox, ED 206-D; 407-823-1763

Elementary/Middle Education

The Elementary Education program is designed for prospective teachers interested in the education of children five through twelve years of age. Students who major in elementary education are qualified to teach grades kindergarten through six upon graduation and receipt of a Florida teaching certificate.

Secondary/Post Secondary Education and Training

Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, Language Arts Education, Mathematics, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, Social Science Education, and Art Education.

K-12 Education

Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art Education and Foreign Language Education (French or Spanish).

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oes.ucf.edu/alc/alc_students_coed.htm
College of Engineering and Computer Science

Dean: Marwan Simaan; HEC 114; 407-823-2156
http://www.cecs.ucf.edu

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

Associate Dean for Research and Administration:
Essam Radwan; ENG2 202; 407-823-2156

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

Director, Academic Affairs:
Melissa Dagley; ENGR 107; 407-823-2455

Director, College Honors Programs:
Donald Malocha; ENGR 114; 407-823-2414

Director, Educational Partnerships:
Bruce Furino; ENGR 281; 407-823-4927

Undergraduate Majors and Degrees

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

BSAE
BSCE
BSPE
BS
BSCoE
BSEE
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 Assistant Chair and/or Graduate Coordinator if they have any further questions.

College Mission Statement

The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

- EDUCATION: Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, to prepare a diverse student body to be effective, contributing members of a technological society, and lifelong learners.
- RESEARCH: Expanding the knowledge base of engineering and computer science through dynamic research and, applying new discoveries for problem solving.
- PARTNERSHIPS: Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic, and social well-being of humankind.
- OPPORTUNITY: Extending educational opportunities to technology practitioners locally, nationally, and globally to enhance human performance, and economic, and technical development.

College Core Values

- Honesty: Tell the truth and be aboveboard and candid.
- Integrity: Be held to the highest standards of trust and accountability.
- Professionalism: Adhere to a professional code of ethics, continuing to learn while striving for excellence.
- Family: Pursue life outside of the professional environment, giving family a priority.
- Altruism: Work as a team; help each other; and sacrifice for the common good. Understand that each individual’s work is part of a larger purpose and plan.

College Goals

- A high caliber, diverse College that is recognized for leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide top-quality education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships.
- A college with national and international visibility.
- An inclusive, open and supportive environment for all student, staff, and faculty.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today’s
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 the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of 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 components 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, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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 broaden 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 computers in society 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, 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 Department 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 except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

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

In order to be admitted to the Honors in the Major program, the student must:
1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this 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 Donald Malocha, Engineering Building 1, room 114. 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 can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Dureanu, Hagen, Khalafallah, Mackie, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Yeh, Yun

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnE), and Construction Engineering (BSCoE).
The Civil Engineering Program
The Civil Engineering major is concerned primarily with fundamental elements of engineering design and analysis such as structures, geotechnical engineering, sanitary engineering, water resources, and environmental engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, 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 Environmental Engineering graduate education and research.

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

1. Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed 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 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 the ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
8. Graduates will demonstrate the ability to communicate their ideas effectively through written and oral reports.
9. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
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 major is concerned primarily with the interactions between humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a minimum of two Project Design Courses (out of four offered) 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 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.

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

1. 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.
2. 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 solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
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 minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), 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 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.
The faculty of the Civil, Environmental, and Construction Engineering College of Engineering and Computer Science meet the following requirements:

- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.

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 Major in Civil, Environmental, and Construction Engineering
The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double major from the department should reflect a significant achievement of students, and therefore 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 major shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different capstone design courses, one from each program.
- The student shall notify the Chair of his or her intent to pursue a double major by the start of the final academic year (3 semesters) of coursework.
- Completion of requirements for both majors must be in the same semester.
- The same catalog year must be used for both majors.

Additional notes:
- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
- The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4805 or CES 4702.
- The 16 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.
- The 19 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: ACG 2071, CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.

One diploma indicating only one major will be awarded, both majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E, and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

Director: Issa Batarseh; HEC 437; 407-823-3957
Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMarra, Do, Dutton, Foroosh, Georgioupolous, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hu, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Maloha, Marinescu, Mikhail, Mukherjee, Oroojii, Pattanaik, Qu, Richie, Shah, Shen, Simaan, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, 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 required elective credit to concentrate their degree in one of many research areas, including computational biology, 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.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds 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 budgets, and 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, program 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 hardware, software, 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 deal with the technology and social challenges of the workplace 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
1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.

2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project leader, IT quality assurance professional.

3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.

4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes
1. Demonstrate expertise in the main content knowledge of information technology.

2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.

3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.

4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.

5. Develop computer-based applications using the information technology body of knowledge.

6. Employ terminology for information technology accurately and effectively.

7. Use technical writing effectively and professionally for varied audiences.

8. Convey technical material through oral presentations of information technology related topics.

9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.

10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer 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. The Electrical and Computer Engineering programs through a logical progression of
The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded System Design and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) 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 educational objectives of the Computer Science 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 lifelong 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 lifelong learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

School of Electrical Engineering and Computer Science

Policies and Procedures

The School’s web site (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 e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowoski; ENG2 312; 407-823-2204; Fax 407-823-3413.

Faculty: Calabrera, Crompton-Young, Elshennawy, Geiger, Hokestra, Karwowoski, Kolnour, Lee, Malone, McCauley-Bush, Mollaghasemi, Nazzell, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.
Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing and management systems. 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 plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and 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 inter-personal 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 capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

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 explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. 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.


Department of Mechanical, Materials, and Aerospace Engineering

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 lifelong 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 aerospace technology, 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, etc.
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 use 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.
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 trade-offs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts 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 aerospace engineering applications of technology and their use in engineering practice.

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, societal, 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, energy systems, or materials, 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, energy systems or material engineering 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 use 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.
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 trade-offs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts 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 aerospace engineering applications of technology and their use in engineering practice.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265
Faculty/Staff: Captains Gray, Captain Lehmann, Captain Johnson, MSG Fields, SSgt Sutton, and Mrs. Fioramanti, 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 four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year programs provide on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

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

1. General Military Course (GMC)
The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power as 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
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- 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.

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. Dependents of active duty service, other scholarships, and other obligations may be subject to change. These scholarships may provide for full tuition and fees, and an allowance for textbooks. For more information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

Summer Training

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A five-week summer course, which includes a modified version of the General Military Course, is required for students entering the two and a half-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

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 minimum 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 Sean Morgan; Trailer 501, Room 110

Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager; 407-823-2430, Fax 407-823-5324, http://army.ucf.edu

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. Students 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 also be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students' leadership potential and improve students’ planning, organizational, and managerial skills. This 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 scholar or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications, and leadership. There are no 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 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:

- Enrollment in a Baccalaureate or Master's degree program
- Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours 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 who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. The course 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 that 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 $150 during the freshman year, $350 during the sophomore year, $450.00 during the Junior year and $500.00 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 and room and board not to exceed $10,000 and $1,200 annually for room and fees. In addition, all contracted students also receive the monthly stipend during the school year. Contact the Enrollment Office 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: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) 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

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. 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 Communication Sciences and Disorders, Criminal Justice and Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.
Department of Communication Sciences and Disorders
Chair: TBA, HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis
Clinic Director: Janet Whiteside, Research Pavilion Suite 155, 407-249-4770

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 pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of 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 and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and 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.

Program in Legal Studies
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 Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2214

Faculty: Angelopoulos, Douglass, Gosnell, Hanney, Jameer, McDonough, Pabian, Rothschild, Schellhase, Shack-Dugre, Shideler, Smith, Tucker, Welker, Worrall

The Department of Health Professions offers a baccalaureate program in Athletic Training as well as, Health Sciences - Pre-Clinical Track for those planning to go on to a graduate clinical professional program.

For admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of "C" (2.0) is required for prerequisite courses and required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification.

Program in Athletic Training

The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include 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 take the National 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). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

Degrees: Athletic Training (BS)
Tracks: None
Minors: None

Program in Health Sciences-Pre-Clinical Track

The Health Sciences-Pre-Clinical Track is a preparatory program for graduation level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. 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 Department 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 degrees with a major in Public Administration enable 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 of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to "make a difference" in their communities on a national, state or local level.

Degrees: Public Administration (BA, BS, MPA, MNM)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanities National Certification Program

Certificates: Nonprofit Management

School of Social Work

Director: John Ronnau, HPA 204, 407-823-2114

Faculty: Abel, Bricout, Buckey, Gammonley, Hall, Kohn, Lambert, Lawrence, Leon, 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 Congress, 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 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. Our 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.

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies and Children’s Services. 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://oieas.ucf.edu/aic/aic_students_cohpa.htm
College of Medicine

Dean: Deborah C. German, University Tower, 3rd Floor; 407-823-1841
http://www.med.ucf.edu/

The University of Central Florida College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to address the growing physician shortage nationwide and provide economic benefits to Central Florida and the state. The college offers undergraduate and advanced degree programs in biomedical sciences through its Burnett School of Biomedical Sciences, as well as a doctor of medicine (M.D.) degree program, giving students access to a variety of ways to pursue their career dreams.

In August 2009, the college welcomed an outstanding charter class of 41 M.D. students. This class had the highest average MCAT score and GPA of any incoming class of medical students in Florida in 2009, and with more than 4,300 applicants, the college was among the most selective in the nation. Starting 2013, the M.D. program will admit 120 students each year, while the Burnett School is already home to more than 2,500 undergraduate, graduate, and doctoral students. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology and Biotechnology as well as an interdisciplinary doctoral degree in Biomedical Science.

The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. Our 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 undergraduate and graduate programs in the Burnett School of Biomedical Sciences are offered at the UCF main campus. The M.D. program and state-of-the-art biomedical research facilities are an integral part of the growing medical city at Lake Nona. The newly opened Burnett Biomedical Sciences building soon will be joined by the Medical Education building in time for the opening White Coat ceremony on the UCF Health Sciences Campus at Lake Nona in August 2010. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

Burnett School of Biomedical Sciences

Director: P.E. Kolattukudy; BL 136; 407-823-1312; Fax 407-823-0956
Associate Director of Academic Affairs: Roseann White; HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology 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. The school also offers M.S. programs in Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,300 undergraduate students and as many as 100 graduate students.

Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. 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.

Programs and Degrees

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<td>Molecular Biology and Microbiology</td>
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<td>Biotechnology</td>
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Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA2, 335J; 407-823-5932

Faculty: Ahangari; Altomare; Borgon; Bossy-Wetzel; Chai; D. Chakrabarti; R. Chakrabarti; Chan; Cheng; Cole; Danelli; Ebert; Fernandez-Valle; Fu; Gennaro; Hitchcock; M. Jewett; T. Jewett; Khaled; Kolattukudy; Lopez; Lopez-Ojeda; Li; Moore; Muller; Naser; Safranek; Samsam; Seif; Siddiqi; Singla; Sugaya; Teter; Turkson; Weigel; White; Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.
Program in Molecular Biology and Microbiology
Undergraduate Coordinator: Dorilyn Hitchcock; HPA2 335A; 407-823-5932
Graduate Coordinator: Saleh Naser; BL 221; 407-823-0956
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 mechanism of 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: Molecular Biology and Microbiology (B.S., M.S.)
Molecular Biology and Microbiology Preprofessional Concentration (B.S.)
Tracks: None
Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admissions process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology
Director and Graduate Coordinator: Henry Danelli; BL 336; 407-823-5932
To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock; HPA2 335A; 407-823-5932
Medical technologists may be 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. Also, it prepares students in the development of 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-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) 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)
Assistant Director: Amanda Colee; HPA2 335A; 407-823-4812;
Academic Advisor: Cynthia Contreras; HPA2 336; 407-823-5787;
Academic Advisor: Ana Maria Schwindt; HPA2 337; 407-823-1259
E-mail: cbsinfo@mail.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 Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Biomolecular Science Center
Director: P.E. Kolattukudy; BL 136; 407-823-1312
Ph.D. Coordinator: Steven Ebert; BL 321A; 407-823-1312
The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.
The Biomolecular Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.
Within the next few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.
The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state’s growing biomedical biotechnology industry.

Degrees: Biomedical Sciences (Ph.D.)
Tracks: None
Minors: None

Pre-Health Professions Advisement Office
Director: Genaro Lopez; HPA 124; 407-823-2670
The Pre-Health Professions Advisement Office 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://oas.ucf.edu/alc/alc_students_bcms.htm
College of Nursing

Dean: Jean Leuner, HPA 220, 407-823-5496

Associate Dean: Linda Hennig, HPA 220, 407-823-4941

Associate Dean: Susan Chase, HPA 220, 407-823-3079


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

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

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

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, A5 to BSN, RN to MSN
Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college Web site: http://www.nursing.ucf.edu

Academic Advisement

Office of Undergraduate Student Services
HPA 220, 407-823-2744

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

Programs and Degrees

Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm
The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL 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.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 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 $45 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 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: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 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.
College of Sciences
Dean: Peter Panousis; CSB 201A; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Michael Johnson, CSB 201A, 407-823-3491
Associate Dean: Jack M. McGuire, CSB 201A, 407-823-3684
Associate Dean: Haven C. Sweet, CSB 201A, 407 823-2992

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 50 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

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. 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.

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 program of study for additional information.
Advisement
College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick; CSB 250;
407-823-6131; E-mail: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. 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 Web site.

Programs and Degrees

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<td>Mathematics</td>
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<td>Maya Studies</td>
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<tr>
<td>Political Science</td>
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<td>Political Science-Pre Law</td>
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<td>Psychology</td>
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<tr>
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<td>BA, MA, MS, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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Departments and Programs

Department of Anthropology
Chair: Arlen F. Chase; PH 309; 407-823-2227; E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Toshia Dupras; PH 309; 407-823-2227

Undergraduate Coordinator: John Schultz; PH 309; 407-823-2227

Faculty: Barber, A. Chase, B.; Chase, Cowrell, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishal, Schultz, Sinnelli, Walker, Zorn; Professors Emeritus: Allyn Stearman, Ron Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)
Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, Native American Indian Studies
Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

Department of Biology
Chair: C. Ross Hinkle; BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

Faculty: Bayer, Borst, Castalest, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Logiudice, Morrison-Shetlar, Noss, Parkinson, Quintana-Ascencio, Shetlat, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy

Professors Emeritus: Ehhrath, Ellis, Kuhn, Koevenig, Snelson, 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 interdisciplinary Ph.D. programs in Biomedical 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)
Tracks: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry
Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino; CH 107A; 407-823-2246
Faculty: Ballanyte, Belfield, Blair, Campigilia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheim, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Mierzwa, Miles, Miller, Patino, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial 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.
College of Sciences

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

Nicholson School of Communication

Director: Robert C. Chandler, NSC 240; 407-823-2683
Assistant Director: Boyd Lindsey, NSC 240A; 407-823-6751
http://communication.cos.ucf.edu/
Nicholson Academic Student Services Center: NSC 143; 407-823-2681; E-Mail: nassc@mail.ucf.edu
Faculty Emeriti: Fedder, O’Keefe, Taylor, Wycoff

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. Interpersonal/Organizational 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 journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions In a broadcast, cable online or corporate environment.

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism area has computer writing and media lab. The Advertising/Public Relations Area has a computer writing and media lab. The Interpersonal/Organizational Communication (I/O) Communication area has a presentation speaking classroom equipped for audio/video record/ playback and cutting edge visual presentation. The I/O area also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising/Public Relations (BA), Communication (MA), Interpersonal & Organizational Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist
Minors: Interpersonal/Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics

Chair: Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu
Associate Chair/Undergraduate Coordinator: Heath Martin;
MAP 215A; 407-823-5700
Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleyar, Dunlop-Pyle, Dukmay, Dutton, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Nicholson, Pensky, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shvamoggi, Sung, Sun, Swanson, Tamasan, Taylor, 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 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 advanced mathematics as a tool in their special 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 traditional areas of algebra and analysis as well as modern areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who feel they know 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)
Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics
Minors: Mathematics

Department of Physics

Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/
Associate Chair: Elena Flitsitjan; MAP 315; 407-823-1156
Faculty: Bhattacharya, Bindell, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Cooney, Eft, Barco, Dubey, Efthimiou, Fernandez, Flit-siyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Ngwa, Luo, Martin, Montgomery, Mucioio, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy
Minors: Astronomy, Physics
Department of Political Science
Chair: R. Handberg; PH 302; 407-823-2608; E-mail: politics@ucf.edu
http://politics.cos.ucf.edu/

Associate Chair: Aubrey Jewett; 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 a knowledge of government and politics is necessary;
2. Prepare 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:

- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg.
- Women's Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees: Political Science (BA, MA), International and Global Studies (BA)
Tracks: American Politics, International Relations & Comparative Politics, Prelaw
Minors: Political Science, Political Science/Prelaw, European Studies, International and Global Studies
Certificates: Diplomacy Certificate

Department of Psychology
Chair: R. Dipboye; PSY 301L; 407-823-2216; E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: T. Hernandez; PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Ghaseinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloua, Murdoch, Negy, Pritchard, Rapport, Reed, Reink, Reynolds, Rinaldi, Salas, Selinders, Shirley, Storm, Sims, Smither, Szalma, Wang, Whitten, Wooten

Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions: to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees: Psychology (BS, MA, MS, PhD)
Tracks: None
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: J. Corzine; PH 403B; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: J. Jasinski

Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay, Grauerholz, Huff-Corzin, Jasinski, Lynxwiller, Morris, Mustaine, Pals, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in qualitative and quantitative 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, 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 Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

Department of Statistics
Chair: D. Nickerson; CCII 206; 407-823-5528
http://statistics.cos.ucf.edu/

Faculty: Cutchins, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

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
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oecs.ucf.edu/alc/alc_students_cosci.htm
McNair Scholars Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://mcnair.ucf.edu/

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; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu
Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Ashley Eden, 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, Ferrell Commons 215C; 407-823-3033
http://www.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, and occupational therapy. 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 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, CC II 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.

Undergraduate Research
Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.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.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oesas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher,
Fjelstul, Hara, Hua, Hutchinson, Iskat, Juge, Jung, Kaufman, Kwun,
Logan, Lynch, Milman, Muller, Murphy, Naipaul, Nusair, Okumus,
Parsa, Ray, Ro, Rompf, Ross, Scantlebury, Severt D, Severt K, Smith,
Terry, Tesone, Wang.

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 manage-
ment 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 49 million tourists each year, has over 400
hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks
and attractions. The industry employs a half million people in the State
of Florida and many are in the Central Florida area.

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 ex-tensive
contact with leading hospitality managers in the Central Florida area.
There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in
Tourism Management and the Dick Pope Sr. Institute for Tour-ism
Studies which was created and funded by the travel and tourism
industry in Central Florida. The Institute conducts research and gath-
ers 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 execu-
tives. 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

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

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Undergraduate Catalog 2010-2011

UNIVERSITY OF CENTRAL FLORIDA

ROSEN COLLEGE OF HOSPITALITY MANAGEMENT
## UCF Degree Programs

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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
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, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.
- See Common Program Prerequisites.

Degree Requirements

- None

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

A: Communication Education 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
- Required MAC 1140 Pre-Calculus Algebra 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) (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 must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from 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 (0 hrs)

- None

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
- 1GEB 3031C Comerstone: Professional Skills for Business 3 hrs
- GEB 3031L Comerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs

ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

Required courses for major: 24 hrs

ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3306 Cost Accounting I 3 hrs
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4803 Contemporary Issues in Accounting Transactions 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives (0 hrs)

- None

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:

FIN 3403C Business Finance 4 hrs
GEB 3031 Comerstone: Professional Skills for Business 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 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

9. Additional Requirements

- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a “C” (2.0) or better in each common program prerequisites class.
- A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students must have at least a 2.0 GPA in the College of Business and in the accounting major.

A grade of "C-" (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

All students must have credit for a course in each of the following areas:

- English communication arts including written composition
- Oral expression
- Behavioral science such as psychology, anthropology, and sociology
- Humanities
- Political environment of business and society such as political science, public administration, and ethics

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, the CLAS and nine hours of Summer credit (if applicable)

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.

Application: 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:

  1. ACG 4903H Honors Directed Reading I or ACG 4904H Honors Directed Reading II
     1 hr
  2. ACG 4970H Undergraduate Honors Thesis
     1 hr


1 With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

Florida Public Community College 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 community/junior college 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.

Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

1 ACG 2021 Principles of Financial Accounting 3 hrs
   may be substituted with: ACG X001
   1 and ACG X011

Plan of Study

Freshman Year - Fall

1. ENC 1101 Composition I 3 hrs
2. MAC 1140 Pre-Calculus Algebra 3 hrs
3. Cult-Hist I* 3 hrs
4. Psyc/Ant/Soc 3 hrs
5. Science 3 hrs

Freshman Year - Spring

1. CGS 2100C Computer Fundamentals for Business 3 hrs
2. ENC 1102 Composition II 3 hrs
3. Science 3 hrs
4. Art/Music/Lit 3 hrs
5. Cult-Hist II* 3 hrs

Sophomore Year - Fall

1. Free Elective 3 hrs
2. Free Elective 3 hrs
3. ACG 2021 Principles of Financial Accounting 3 hrs
4. ECO 2023 Principles of Microeconomics 3 hrs
5. SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring

1. ACG 2071 Principles of Managerial Accounting 3 hrs
2. ECO 2013 Principles of Macroeconomics 3 hrs
3. ECO 3401 Quantitative Business Tools I 3 hrs
4. MAR 3023 Marketing 4 hrs
5. POS 2041 American National Government 3 hrs
UCF Degree Programs

Junior Year - Fall
ACG 3131  Financial Accounting Concepts and Analysis  3 hrs
BUL 3130  Legal and Ethical Environment of Business  4 hrs
GEB 3031  Professional Skills for Business  3 hrs
ISM 3011C Essentials of Management Information Systems  4 hrs

Junior Year - Spring
ACG 3141  Intermediate Financial Accounting II  3 hrs
ECO 3411  Quantitative Business Tools II  4 hrs
GEB 3375  Introduction to International Business  4 hrs
MAN 3025  Management of Organizations  4 hrs

Senior Year - Fall
ACG 3361  Cost Accounting I  3 hrs
ACG 3361  Cost Accounting I  3 hrs
ACG 4401C  Accounting Information Systems  3 hrs
FIN 3403C  Business Finance  4 hrs
TAX 4001  Taxation of Business Entities and Transactions  3 hrs

Senior Year - Spring
ACG 3501  Financial Accounting for Governmental and Nonprofit Organizations  3 hrs
\(^1\)ACG 4651  Auditing  3 hrs
ACG 4903  Contemporary Issues in Accounting  3 hrs
MAN 4720  Strategic Management  4 hrs
\(^1\)\(*C*(2.0) or better grade required in each class.
**Accounting majors must have a "C" (2.0) or better in each class to include law and tax and a 2.0 GPA in major.
***General electives as required to reach 120 semester 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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Advertising/Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: adpr@ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.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.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the School.
- Students must successfully complete the following courses before applying:

  Complete the following: 6 hrs
  ADV 3008  Principles of Advertising  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;
- July 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 departmental 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 Nicholson School of Communication.
- Of these 80 hours, 65 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 hour 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.
- 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
   Required  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 one course from group B 2. 3 hrs
   C: Mathematical Foundations  (6 hrs)
   Math  3 hrs
   Suggested MGF 1106  Finite Mathematics or
   Prefer  MGF 1107  Explorations in Mathematics or
   May substitute a higher level math with appropriate scores on the Math Placement Exam.
   Statistics  3 hrs
   Required STA 2014C  Principles of Statistics or
   May substitute a more advanced STA course.  3 hrs
   D: Social Foundations  (6 hrs)
   Economics  3 hrs
   Required  ECO 2013  Principles of Macroeconomics or
   Required  ECO 2023  Principles of Microeconomics  3 hrs
   Social Sciences  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  (6 hrs)
   2. Common Program Prerequisites (CPP)  (0 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course: 0 hr
   ECO 2013  Principles of Macroeconomics or
   ECO 2023  Principles of Microeconomics

UNIVERSITY OF CENTRAL FLORIDA
188  Undergraduate Catalog 2010-2011
Select this Speech course: 0 hr
SPC 1608  Fundamentals of Oral Communication  GEP

3. Core Requirements: Basic Level (6 hrs)
Must be completed before applying to the program:
Complete all of the following:
ADV 3008  Principles of Advertising and 6 hrs
PUR 4000  Public Relations

May be completed before or after admission to the program:
Complete the following classes:
SPC 1608  Fundamentals of Oral Communication and 3 hrs
STA 2014C  Principles of Statistics

Complete either economics class:
ECC 2013  Principles of Macroeconomics or 3 hrs
ECC 2023  Principles of Microeconomics

4. Core Requirements: Advanced Level (21 hrs)
Complete after admission to the program:
ADV 4101  Advertising Copywriting 3 hrs
COM 3311  Communication Research Methods 3 hrs
MMC 3200  Mass Communication Law 3 hrs
MMC 4411  AD/PR Campaigns 3 hrs
PUR 3100  Writing for Public Relations 3 hrs
VIC 3001  Visual Communication 3 hrs

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

5. Restricted Electives (12 hrs)
Complete a maximum of 12 credits of the following after admission to the program:
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 4110C  Public Relations Publications 3 hrs
PUR 4801  Public Relations Case Studies 3 hrs

You may take either internship, but not both. 3 hrs
ADV 4941  Internship or
PUR 4941  Internship

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.

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 65 hour Liberal Arts requirement.

9. Additional Requirements
None

10. Required Minors
None required. However if a minor 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 required UCF AD/PR courses. This GPA does not include electives.
Before applying to graduate, the CLAS must be completely satisfied.
Computer Competency met by the following course or departmental assessment.
STA 2014C  Principles of Statistics 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, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required 120

Honors In Major
None

Related Programs
Marketing

Certificates
None

Related Minors
NOTE: Minors taught within the School of Communication are not open to AD/PR majors.

Business
Digital Media
English - Writing
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 taken at community colleges 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 13 hrs
GEP 3 hrs
GEP 3 hrs
Foreign Language 4 hrs
ENC 1101  Composition I 3 hrs
Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ 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 State University/Community College Systems 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:
Preferred SPC 1603 Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

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 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Preferred ECO 2023 Principles of Microeconomics or
Preferred ECO 2013 Principles of Macroeconomics 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.

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

Degree 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 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 (54 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   - EAS 3010  Fundamentals of Aerospace Flight  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 4200  Flight Structures  3 hrs
   - EAS 4210  Space Structural Dynamics  3 hrs
   - EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
   - EGN 3601  Solid Mechanics  3 hrs
   - EGN 3310  Engineering Analysis-Statics  3 hrs
   - EGN 3321  Engineering Analysis-Dynamics  3 hrs
   - EGN 3343  Thermodynamics  3 hrs
   - EGN 3373  Principles of Electrical Engineering  3 hrs
   - EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   - EML 4312C  Feedback Control  3 hrs
   - STA 3032  Probability and Statistics for Engineers  GEP

Select 1:  
   - EAS 4505  Orbital Mechanics  3 hrs
   - EAS 4530  Space Systems Concepts or  3 hrs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf
   - EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   - EML 4312C  Feedback Control  3 hrs
   - STA 3032  Probability and Statistics for Engineers  GEP

Select 1:  
   - EAS 4700C  Aerospace Design I or  3 hrs
   - EGN 4412C  Interdisciplinary Design I  3 hrs

6. Capstone Requirements (6 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   - EAS 4134  High-Speed Aerodynamics  3 hrs
   - EAS 4210  Space Structural Dynamics  3 hrs
   - EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
   - EGN 3601  Solid Mechanics  3 hrs
   - EGN 3310  Engineering Analysis-Statics  3 hrs
   - EGN 3321  Engineering Analysis-Dynamics  3 hrs
   - EGN 3343  Thermodynamics  3 hrs
   - EGN 3373  Principles of Electrical Engineering  3 hrs
   - EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   - EML 4312C  Feedback Control  3 hrs
   - STA 3032  Probability and Statistics for Engineers  GEP

Select 1:  
   - 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.
   - 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 128

Honors in Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - Engineering Leadership
   - Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

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 Community Colleges 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 may be substituted by an approved Aerospace Engineering Elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

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  (15 hrs)
   - EGN 1006C  Introduction to the Engineering Profession  1 hr
   - ENC 1101  Composition I  3 hrs
   - MAC 2311  Calculus with Analytic Geometry I  4 hrs

Select 1:  (4 hrs)
   - CHM 2041C  Chemistry Fundamentals IA or  3 hrs
   - CHM 2045C  Chemistry Fundamentals IB or  3 hrs
   - CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs

Prefered
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
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<tbody>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Summer</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>EMA 3706</td>
<td>Structure and Properties of Aerospace Materials</td>
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<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<td>Differential Equations</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
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<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
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<td>Engineering Analysis-Dynamics</td>
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<td>EGN 3343</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
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<th>Select 1:</th>
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<tr>
<td>ECO 2013</td>
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<tr>
<td>ECO 2023</td>
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<table>
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<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>EAS 3010</td>
<td>Fundamentals of Aerospace Flight</td>
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<tr>
<td>EAS 3530</td>
<td>Space Systems Concepts</td>
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<td>EAS 3800C</td>
<td>Aerospace Engineering Measurements</td>
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<td>EAS 3990</td>
<td>Aerospace Career and Academic Faculty Advising</td>
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<td>Flight Structures</td>
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<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
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<td>Upper Division Elective</td>
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</tr>
<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics</td>
</tr>
<tr>
<td>EAS 3810C</td>
<td>Design of Aerospace Experiments</td>
</tr>
<tr>
<td>EAS 4210</td>
<td>Space Structural Dynamics</td>
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<td>EAS 4505</td>
<td>Orbital Mechanics</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics</td>
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<tr>
<td>EAS 4134</td>
<td>High-Speed Aerodynamics</td>
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<tr>
<td>EAS 4991</td>
<td>Aerospace Career and Academic Faculty Advising</td>
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<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>EAS 4700C</td>
</tr>
<tr>
<td>EGN 4412C</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4300</td>
<td>Aerothermodynamics of Propulsion Systems</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Select 1:</th>
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</thead>
<tbody>
<tr>
<td>EAS 4710C</td>
</tr>
<tr>
<td>EGN 4412C</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/ailc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/ailc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Anthropology (B.A.)

**College of Sciences**

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

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

**Dr. John Schultz, jschultz@mail.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 associated with the Maya culture in the Central American country of Belize.

### 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.
- 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)

2. **A: Communication Foundations** (9 hrs)

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

4. **C: Mathematical Foundations** (6 hrs)

5. **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.

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

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

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

9. **2. Common Program Prerequisites (CPP)** (0 hrs)
   - See Transfer Notes for possible substitutes
   - See “Common Prerequisites” in the Transfer and Transitions Services section

10. **3. Core Requirements: Basic Level** (6 hrs)
    - ANT 2000: General Anthropology GEP
    - ANT 2011: The Human Species GEP

11. **3. Core Requirements: Basic Level** (6 hrs)
    - ANT 2140: Archaeology and the Rise of Human Culture 3 hrs
    - ANT 2410: Cultural Anthropology 3 hrs
    - ANT 2511: The Human Species GEP/CPP
4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Restricted Electives (21 hrs)

<table>
<thead>
<tr>
<th>Area Study</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select at least one of the following courses:</td>
<td></td>
</tr>
<tr>
<td>ANT 3148</td>
<td>Life and Death in Ancient Egypt</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Archaeology of Mexico</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>Maya Archaeology</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastal United States</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora</td>
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<td>ANT 3344</td>
<td>Puerto Rican Culture</td>
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<tr>
<td>ANT 3362</td>
<td>Peoples of Southeast Asia</td>
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<td>ANT 3363</td>
<td>Anthropology of Japan</td>
</tr>
<tr>
<td>ANT 4144</td>
<td>Prehistory of North America</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America</td>
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<tr>
<td>ANT 4332</td>
<td>People and Cultures of Latin America</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>Caribbean Cultures</td>
</tr>
<tr>
<td>ANT 4352</td>
<td>African Societies and Cultures</td>
</tr>
<tr>
<td>ANT 4354</td>
<td>Postcolonial Africa</td>
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</table>

Restricted Electives (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4525C</td>
<td>Advanced Forensic Anthropology</td>
<td>5</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>Anthropological Perspectives on Human Growth</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Advanced Archaeological Fieldwork</td>
<td>9</td>
</tr>
</tbody>
</table>

1 Alternatively, you may select the 5000 level equivalent, but not both.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions
  - Met by graduation requirement

- Graduation
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - ANT 2140 Archaeology and the Rise of Human Culture 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major

- None

Related Programs

- Social Sciences
- Sociology

Certificates

- None

Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies
### UCF Degree Programs

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- Although any 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
- **15 hrs**
  - **GEP**
    - **3 hrs**
  - **ANT 2000** General Anthropology
  - **3 hrs**
  - **COM 1000** Introduction to Communication
  - **3 hrs**
  - **ENC 1101** Composition I
  - **3 hrs**
  - **MGF 1107** Explorations in Mathematics
  - **3 hrs**

#### Freshman Year - Spring
- **15 hrs**
  - **GEP**
    - **3 hrs**
  - **GEP**
    - **3 hrs**
  - **GEP**
    - **3 hrs**
  - **ANT 2511** The Human Species
  - **3 hrs**
  - **ENC 1102** Composition II
  - **3 hrs**

#### Sophomore Year - Fall
- **15 hrs**
  - **Free Elective**
    - **3 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **GEP**
    - **3 hrs**
  - **ANT 2340** Archaeology and the Rise of Human Culture
  - **3 hrs**
  - **ANT 2410** Cultural Anthropology
  - **3 hrs**

#### Sophomore Year - Spring
- **15 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Free Elective**
    - **3 hrs**
  - **GEP**
    - **3 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **ANT 3610** Language and Culture
  - **3 hrs**

#### Junior Year - Fall
- **15 hrs**
  - **Foreign Language**
    - **4 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Elective / Minor**
    - **2 hrs**
  - **Elective / Minor**
    - **3 hrs**
  - **ANT 3145** Archaeology of Complex Societies
  - **3 hrs**

#### Junior Year - Spring
- **15 hrs**
  - **Foreign Language**
    - **4 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Elective / Minor**
    - **3 hrs**
  - **Elective / Minor**
    - **2 hrs**
  - **ANT 4586** Human Origins
  - **3 hrs**

#### Senior Year - Fall
- **15 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Elective / Minor**
    - **3 hrs**
  - **Elective / Minor**
    - **3 hrs**
  - **Free Elective**
    - **3 hrs**

#### Senior Year - Spring
- **15 hrs**
  - **Restricted Elective**
    - **3 hrs**
  - **Free Elective**
    - **3 hrs**
  - **Elective / Minor**
    - **3 hrs**
  - **ANT 4034** History of Anthropological Thought
  - **3 hrs**

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

### 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 portfolio pin-up 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.

### Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

#### 1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (0 hrs)
- Completion of the A.A. in pre-Architecture from VCC or equivalent.

#### 3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

| ARC 1701 | History of Architecture I or equivalent | 3 hrs |
| ARC 2702 | History of Architecture II or equivalent | 3 hrs |
| ARC 1301 | Architectural Design I | 4 hrs |
| ARC 1302 | Architectural Design II | 4 hrs |
| ARC 1201 | Theory of 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 2180  Introduction to Digital Architecture  3 hrs

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

5. Restricted Electives  (0 hrs)
   ■ None

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements

Admissions
   ■ None

Graduation
   ■ None

8. Electives  (10 hrs)
   ■ Unrestricted electives can be any 3000 or 4000 level course offering or equivalent.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ None

Related Programs
   ■ None

Certificates
   ■ None

Related Minors
   ■ None

Advising Notes
   ■ None

Transfer Notes
   ■ Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

Courses taken at community colleges 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.oias.ucf.edu/alc/academic_learning_compacts.htm

Art B.A. - History Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.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.
   ■ 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 art history advisor.
   ■ 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.
   ■ 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)
   ■ D: Social Foundations  (6 hrs)
   ■ E: Science Foundations  (6 hrs)

   1 Prefer MGF 1106 Finite Mathematics  3 hrs
   2 Prefer STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

   1 may substitute a higher level math
UCF Degree Programs

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 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (24 hrs)
Select one Non-Western Art History course from the following: 3 hrs

ARH 3520 African Art
ARH 4540 Art of India
ARH 4653 Meso American Art

One of the following courses: 3 hrs
ARH 4200 Medieval Art
ARH 4350 Baroque Art
ARH 4871 Women in Art

Select 18 additional hours from the following: 18 hrs
ARH 3471 Art in the Last 25 Years 3 hrs
ARH 3520 African Art 3 hrs
ARH 3610 American Art 3 hrs
ARH 3710 History of Photography I 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 3720 History of Prints 3 hrs
ARH 3728 History of Illustration 3 hrs
ARH 4150 Roman Art and Architecture 3 hrs
ARH 4200 Medieval Art 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4352 Italian Baroque Art 3 hrs
ARH 4653 Meso American Art 3 hrs
ARH 4871 Women in Art 3 hrs

6. Capstone Requirements
- None

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

Graduation
- Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a “C” GPA (2.0) in courses within the major.
ARH 4912 Directed Independent Research 1 hr

- Computer Competency met by one of the following:
ARH 3820 Visual Arts Administration Vitas 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.F.A. - Studio Art Track
- Art Education

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 12 hrs
ARH 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 2051 History of Western Art II 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COM 1000 Introduction to Communication 3 hrs
ENC 2311 Advanced Expository Writing 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
ANT 2000 General Anthropology 3 hrs
ARH 4540 Art of India 3 hrs
BSC 1005 Biological Principles 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs
ARH 3710 History of Photography I 3 hrs
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4450 20th Century Art 3 hrs
ARH 4653 Meso American Art 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARH 4170 Greek & Roman Art 3 hrs
ARH 4XXX 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: $31.50 per term
- Full-Time Student: $63 per term

Art B.A. - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

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 junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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 in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
### UCF Degree Programs

#### Photography
- PGY 2401C  Beginning Photography  3 hrs
- \(^1\) PGY 4420C  Advanced Photography  3 hrs
- PGY 4440C  Special Problems in Photography  3 hrs

\(^1\) May be repeated for credit.

#### Sculpture
- ART 2701C  Sculpture  3 hrs
- \(^1\) ART 4710C  Advanced Sculpture  3 hrs

\(^1\) May be repeated for credit.

#### Type and Design
- GRA 3202C  Type & Design  3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### Electives
- 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, and Internship permitted.)

#### Additional Requirements
- None

#### Required Minors
- None

#### Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - GRA 2101C  Introduction to Computer Art  3 hrs
  - STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

#### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors in Major
- None

#### Related Programs
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

#### Certificates
- None

#### Related Minors
- Digital Media

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

#### For common program prerequisites if taken.
- GRA 2101C  Introduction to Computer Art  3 hrs may be substituted with:
  - 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 15 hrs
- ARH 2050  History of Western Art I  3 hrs
- ART 2823  Art as Interface  3 hrs
- ENC 1101  Composition I  3 hrs
- HUM 2210  Humanistic Tradition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs

#### Freshman Year - Spring 15 hrs
- Restricted Elective  3 hrs
- ARH 2051  History of Western Art II  3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

#### Sophomore Year - Fall 15 hrs
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- ART 3950  Portfolio Review  0 hrs
- BSC 1005  Biological Principles  3 hrs
- CHM 1020  Concepts in Chemistry  3 hrs

#### Junior Year - Fall 16 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- ART 3161  Mixed Media  3 hrs
- ART 4320C  Advanced Drawing  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

1 Any language at this level is acceptable.

#### Junior Year - Spring 16 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- ART 3161  Mixed Media  3 hrs
- ART 4320C  Advanced Drawing  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

1 Any language at this level is acceptable.

#### Senior Year - Fall 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- ARH 4350  Baroque Art  3 hrs
- ART 4320C  Advanced Drawing  3 hrs
- PGY 3410C  Intermediate Photography  3 hrs

#### Senior Year - Spring 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- ARH 4430  19th Century Art  3 hrs
- GRA 4154C  Advanced Illustration  3 hrs
- PGY 4420C  Advanced Photography  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_comacts.htm

Equipment Fees
■ Part-Time Student: $31.50 per term
■ Full-Time Student: $63.00 per term

Art B.A. - Visual Arts and Emerging Media
Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
Mr. Jack Lew, 407-823-2676

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
■ 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 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 specialization.
■ 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 prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Take all of the following:
   Suggested ARH 2050 History of Western Art I and ARH 2051 History of Western Art II
   3 hrs
   Select a course from group B.1 or B.2
   3 hrs
C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics
   Prefer STA 1060C Basic Statistics Using Microsoft Excel
   3 hrs
   1 (may substitute a higher level math)

2. UCF General Education Program (GEP) (24 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional
ART 2203C Design Fundamentals-Three Dimensional
ART 2300C Drawing Fundamentals I
ART 2301C Drawing Fundamentals II
1 GRA 2101C Introduction to Computer Art
   3 hrs
   1 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)
   ARH 2500 History of Non-Western Art
   ART 2823 Art as Interface
   3 hrs

4. Core Requirements: Advanced Level (7 hrs)
   ART 3950 Portfolio Review
   0 hrs
   GEB 3031 Cornerstone: Professional Skills for Business
   3 hrs

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 3471 Art in the Last 25 Years or
   ARH 3710 History of Photography I or
   ARH 3711 History of Photography II or
   ARH 3720 History of Prints or
   ARH 4450 20th Century Art or
   ARH 4800 Theory and Criticism of the Visual Arts or
   FIL 3041 History of Animated Films I or
   FIL 4042 History of Animated Films II or
   PHI 3800 Aesthetics
   3 hrs

Written Communication 3 hrs
Select 1: 3 hrs
   DIG 3024 Digital Cultures & Narrative or
   ENC 3250 Writing for the Technical Professional or
   ENC 3251 Professional Writing or
   ENC 3311 Advanced Expository Writing
   3 hrs

Information Management 6 hrs
Select 2: 6 hrs
   DIG 3480C Computer as a Medium or
   1 DIG 3525 Digital Media Production I or
   1 DIG 3563 Information Management and Entrepreneurship or
   DIG 3716C Internet Interaction or
   DIG 4630C Media Business Practices or
   DIG 5565C Digital Asset Management Systems
   3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business 3 hrs
Select 1: 3 hrs
   BUL 3130 Legal and Ethical Environment of Business or
   1 GEB 3113 How to Start a Business or
   MAN 3025 Management of Organizations or
   MAR 3023 Marketing
   4 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

Arts Management 3 hrs
■ Select one:
   ARE 3944 Community Arts Practicum
   ARE 4262 Methods in Art Administration
   ARH 3820 Visual Arts Administration I/II
   FIL 4647 Film Production Management
   FIL 5612 Film and Internet Business
   PGE 3480 Museum and Gallery Practices
   3 hrs

6. Capstone Requirements
   DIG 4855 Converging Media Capstone
   3 hrs

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
- (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, and Internship permitted.)

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.F.A. - Studio Art Track
- Art B.A. - History Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges 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
- ARH 2050  History of Western Art I  3 hrs
- ART 2823  Art as Interface  3 hrs
- ENC 1101  Composition I  3 hrs
- HUM 2210  Humanistic Tradition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- 1 req #1B1-GEP
- 2 req #1C1-GEP

Freshman Year - Spring
- ARH 2051  History of Western Art II  3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
- 1 Check restrictions

Sophomore Year - Fall
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- COM 1000  Introduction to Communication  3 hrs
- GRA 2101C  Introduction to Computer Art  3 hrs
- POS 2041  American National Government  3 hrs
- 1 req #1A3-GEP
- 2 req #1D1-GEP

Sophomore Year - Spring
- ANT 2000  General Anthropology  3 hrs
- ARH 2500  History of Non-Western Art  3 hrs
- ART 2301C  Drawing Fundamentals II  3 hrs
- ART 3950  Portfolio Review  0 hrs
- BSC 1005  Biological Principles  3 hrs
- CHM 1020  Concepts in Chemistry  3 hrs
- 1 req #1D2-GEP
- 2 req #1E2-GEP
- 3 req #1E1-GEP

Junior Year - Fall
- Restricted Elective 3 hrs
- Supporting Elective 1 hr
- Supporting Elective 3 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
- 1 req #5
- 2 Check restrictions
- 3 req #Lang/Elect

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
- 1 req #5
- 2 Check restrictions
- 3 req #Lang/Elect

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- 1 req #5
- 2 Check restrictions
Senior Year - Spring 15 hrs
1 Restricted Elective 3 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
DIG 4855 Converging Media Capstone 3 hrs
1 req \#5
2 Check restrictions

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art B.F.A. - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Jack Lew, 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. 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
- 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 specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- 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: 6 hrs
Required ARH 2050 History of Western Art I 3 hrs
Required ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (7 hrs)
Take all of the following: 7 hrs
Required COP 2500C Concepts in Computer Science 4 hrs
Required MAC 1105 College Algebra 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
1 ART 2300C Drawing Fundamentals I 3 hrs
1 ART 2301C Drawing Fundamentals II 3 hrs
1 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
1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (18 hrs)
ARH 2050 History of Western Art I 3 hrs
ART 2823 Art as Interface 3 hrs
COP 2500C Concepts in Computer Science 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
MAC 1105 College Algebra GEP

4. Core Requirements: Advanced Level (12 hrs)
ART 3950 Portfolio Review 0 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 3102C Intermediate Graphic Design I 3 hrs
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3202C Type & Design 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

Graphic Design - Restricted Electives - 21 hours
Complete 21 hours of credits from the following areas: 9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

Character Animation 39 hrs

Character Animation Core - 15 hours
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 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
UCF Degree Programs

Experimental Animation
- Experimental Animation Core - 15 hours
  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
- Experimental Animation Restricted Electives - 6 hours
  FIL 4755C Advanced Animation 3 hrs
  FIL 4750C Animation Workshop 3 hrs
- Experimental Animation Restricted Electives - 18 hours
  Complete 18 hours of credits from the following areas: 18 hrs
  hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Unrestricted electives - credit hours varies with specialization
- 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- Art
- Computer Science
- English - Technical Communication
- Film
- Music

Certificates
- None

Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies

- Information Technology
- Music

Advising Notes
- None

Transfer Notes
- Grades less than a "C" (2.0) are not accepted.
- Courses taken at community colleges 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: $31.50 per term
- Full-Time Student: $63.00 per term

Art B.F.A. - Studio Art Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Jack Lew
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before 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 have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

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 Art and Design. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART of ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
Co-op credit cannot be used in this major.

Students should consult with a school advisor in their studio specialization.

Course 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)

Take all of the following: 6 hrs

Required ARH 2050 History of Western Art I and ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1

C: Mathematical Foundations (6 hrs)

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:

- MGF 1106 Finite Mathematics or
- MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
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 3 hrs
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
ART 3950 Portfolio Review 0 hrs
GRA 2101C Introduction to Computer Art CPP

4. Core Requirements: Advanced Level (0 hrs)

5. Restricted Electives (42 hrs)

a. Specialization: (18 hrs)

Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)

Book Arts

ART 3170C Book Binding 3 hrs
ART 3171C Materials for Artist Books 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
ART 3176C The Illuminated Book 3 hrs
ART 3737C Narrative Sculpture 3 hrs
ART 4172C Book Repair and Restoration 3 hrs
ART 4173C The Artist Book 3 hrs
ART 4174C The Printed Book 3 hrs
ART 4177C Commercial Book Design and Publishing 3 hrs
ART 4644C Books Without Books 3 hrs

Ceramics

ART 3761C Intermediate Ceramics 3 hrs
ART 3764C Ceramic Handbuilding I 3 hrs
ART 4783C Advanced Ceramics 3 hrs

Requirements and Substitutions

(BFA Exhibit Seminar is only offered during Spring Semester)

Achieve at least a “B” GPA (3.0) overall in courses within the major.

b. Electives in Art: 15 hrs

Select five Art courses; two of which may be lower division.

Select from at least three of the following areas, excluding the area of specialization.

Select three upper division Art History courses or
Select one upper division course in Art History or Humanities or

(A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

6. Capstone Requirements

a. Specialization

b. Internship

7. Foreign Language Requirements

Admissions

Met by graduation requirement

Graduation

Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the require-

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)

Achieve at least a “B” GPA (3.0) overall in courses within the major.
UCF Degree Programs

- 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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - History Track
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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 and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- 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 strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010  U.S. History: 1492-1877  3 hrs
- Prefer AMH 2020  U.S. History: 1877-Present  3 hrs
- 1 Required ARH 2050  History of Western Art I  3 hrs
  1 A grade of “C-” (1.75) or better is required

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

Select 1: (3 hrs)
- Prefer STA 1060C  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 (6 hrs)
- Prefer PSC 1121  Physical Science  3 hrs

Select 1: (3 hrs)
- Prefer ANT 2511  The Human Species or
- Prefer BSC 1005  Biological Principles  3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005  Introduction to the Teaching Profession  3 hrs
1 EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

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 (30 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2200C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Beginning Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (30 hrs)

<table>
<thead>
<tr>
<th>Education Core Requirements</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</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</td>
</tr>
</tbody>
</table>

**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 (if CLAS was used for admission) 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 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/

### 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 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education rule 6A-5.066.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 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 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 126

**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

- The program of study will be affected by course offerings and availability. Please see the Art Education Web site at http://education.ucf.edu/arted/ for the advising policy.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2065</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs

### Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

### Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

### Sophomore Year - Summer
- GRA 2101C Introduction to Computer Art 3 hrs
- PGY 2401C Beginning Photography 3 hrs

### Junior Year - Fall
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDG 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

### Junior Year - Spring
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Senior Year - Fall
- ARE 3940 Internship 3 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
- Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Senior Year - Spring
- ARE 4941 Internship 1 hr

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/ato/academic_learning_compacts.htm

### Athletic Training (B.S.)
- College of Health and Public Affairs
- Department of Health Professions,
- Health and Public Affairs II, Room: 208
- E-mail: atinfo@mail.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:
- Acceptance to the university as an undergraduate student in Athletic Training Pending. (Acceptance into the University does not constitute admission into the Program in Athletic Training.)
- 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.
- 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 Community 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.

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**Contact Information**
- E-mail: atinfo@mail.ucf.edu
- Kristen C. Schellhase
- Phone: 407-823-2747
- University of Central Florida
- College of Health and Public Affairs
- Academic Program Office
- Phone: 407-823-2747
- E-mail: atinfo@mail.ucf.edu
- Kristen C. Schellhase
- Phone: 407-823-2747
- More information available on the University of Central Florida website.
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.

Candidates for selection to the Program in Athletic Training must demonstrate:

- 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;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements

- Students who are pending Athletic Training Track and are admitted to the major 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 Public University/Community College 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 Community College, and should usually be completed in the first 60 hours

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)
   - Required MAC 1114 College Trigonometry 3 hrs
   - Suggested STA 2023 Statistical Methods I 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 (8 hrs)
   - Suggested 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.

   PET 4674 Athletic Training Seminar 1 hr
   PET 4673L Practicum in Athletic Training IV 4 hrs
   PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
   PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs
   STA 2023 Statistical Methods II 3 hrs
   HSC 3147 Introduction to Pharmacology 3 hrs
   PET 3670L Practicum in Athletic Training I 4 hrs
   PET 3649C Clinical Skills for Athletic Training II 2 hrs
   PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
   PET 3632C Clinical Skills for Athletic Trainers I 3 hrs
   PET 3620 Principles of Athletic Training 3 hrs
   PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
   PET 3624C Recognition and Evaluation of Athletic Injuries II 3 hrs
   PET 4623C Recognition and Evaluation of Athletic Injuries I 3 hrs
   PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs
   PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
   PET 4623C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4510C Biomechanics of Sport 3 hrs
   HSC 3147 Introduction to Pharmacology 3 hrs
   PET 4620  Principles of Athletic Training 3 hrs
   PET 4664C Advanced Rehabilitation in Athletic Training 3 hrs
   PET 4650C Introduction to Athletic Training 3 hrs
   PET 4650C Introduction to Athletic Training 3 hrs
   PET 4606 Applied Fitness in Sport 3 hrs
   PET 4622D Principles of Athletic Training 3 hrs
   PET 4622D Principles of Athletic Training 3 hrs
   PET 4622D Principles of Athletic Training 3 hrs
   PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs
   PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
   PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
   PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
   PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
   PET 4674 Athletic Training Seminar 1 hr

3. Restricted Electives (0 hrs)

   None

4. Core Requirements: Basic Level (0 hrs)

   None

5. 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 a “C” (2.0) or better.

   APK 4315 Sports Medicine Field Application 3 hrs
   PCB 3703C Human Physiology 4 hrs
   PSY 2012 General Psychology GEP 3 hrs
   STA 2023 Statistical Methods I GEP 3 hrs
   BSC 2010C Biology I GEP 3 hrs
   HUN 2002 Modern Concepts in Nutrition 3 hrs
   CHM 2045C Chemistry Fundamentals I 4 hrs
   PHY 2048C Physics for Engineers & Scientists I or 4 hrs
   PHY 2053C College Physics I 4 hrs

   6. Capstone Requirements

   7. Foreign Language Requirements

Admissions

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

Graduation

- None
UCF Degree Programs

8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sports & Fitness

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 Clinical Instructor (ACI).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Business Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track
- Health Services Administration
- Public Administration
- Sport and Fitness

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.
- Aging Studies
- Biology
- Business
- Coaching
- Education
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration

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

Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1115 College Algebra 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall
- PHY 2053C College Physics I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring
- MAC 1105 College Algebra 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

Select 1:
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer
- 1 Foreign Language
- PET 3620 Principles of Athletic Training 3 hrs
- PET 4603C Introduction to Athletic Training 3 hrs

1 If not satisfied in high school

Junior Year - Fall
- BSC 3147 Introduction to Pharmacology 3 hrs
- PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
- PET 3633C Clinical Skills for Athlete Trainers I 2 hrs
- PET 3670L Practicum in Athletic Training I 4 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring
- BSC 3147 Introduction to Pharmacology 3 hrs
- PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
- PET 3670L Practicum in Athletic Training I 4 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Summer
- PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
- PET 4632C Therapeutic Modalities in Athletic Training 4 hrs

1 As needed to meet 120 hrs of university exit requirements.
### Biology (B.S.)

**College of Sciences**  
**Department of Biology, BL, Room: 301**  
[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**E-mail:** biology@ucf.edu

Mr. Frank Logiudice  
Phone: 407-823-2141

#### 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.

#### Equipment Fees

- Part-Time Student: $7.50 per term
- Full-Time Student: $15.00 per term

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**Senior Year - Fall**  
13 hrs

- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
- PET 4636C Advanced Rehabilitation in Athletic Training 3 hrs
- PET 4680C Organization and Administration of Athletic Training 3 hrs
- PET 4672L Practicum in Athletic Training III 4 hrs

**Senior Year - Spring**  
11 hrs  
1 Free Elective 3 hrs
- APK 4315 Sports Medicine Field Application 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- PET 4673L Practicum in Athletic Training IV 4 hrs
- PET 4674 Athletic Training Seminar 1 hr

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**University of Central Florida**

**Department of Biology**

**B.S. Biology Major**

**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: $7.50 per term
- Full-Time Student: $15.00 per term

**Placement Test**


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**Biology (B.S.)**  
**College of Sciences**  
**Department of Biology, BL, Room: 301**  
[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**E-mail:** biology@ucf.edu

Mr. Frank Logiudice  
Phone: 407-823-2141

**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.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. **UCF General Education Program (GEP)** (38 hrs)
   - 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 1603 Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Mathematics: 3 hrs
     - Required CHM 2045C Chemistry Fundamentals I 4 hrs
     - Suggested MAC 2233 Concepts of Calculus or 3 hrs
       - Suggested MAC 2253 Applied Calculus I or 3 hrs
       - Prefer MAC 2311 Calculus with Analytic Geometry I 4 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Statistics:
     - 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
     - Select the sequence identified by the Chemistry Placement exam:
       - Required CHM 2045C Chemistry Fundamentals I 4 hrs
       - or - Students with little chemistry background should take this year long equivalent instead.
         - Required CHM 2040C Chemistry Fundamentals IA and 3 hrs
         - Required CHM 2041C 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 following courses.
     - BSC 2010C Biology I GEP
     - BSC 2011C Biology II 4 hrs
     - CHM 2045C Chemistry Fundamentals I GEP
     - CHM 2046 Chemistry Fundamentals II 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
     - STA 2023 Statistical Methods I GEP

   **Math requirement: Select one course**  
   - MAC 2233 Concepts of Calculus or GEP
   - MAC 2253 Applied Calculus I or GEP
   - MAC 2311 Calculus with Analytic Geometry I GEP

**Note:** These courses are considered to be equivalents:

- CHM 2045C Chemistry Fundamentals I GEP
- or - Students with little chemistry background should take this year long equivalent instead.
  - CHM 2040C Chemistry Fundamentals IA and GEP
  - CHM 2041C Chemistry Fundamentals IB GEP

**Complete one entire physics sequence:**

- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- or
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs
### 3. Core Requirements: Basic Level (8 hrs)
- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses. Students are urged to consult their departmental advisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP/CPP</td>
</tr>
</tbody>
</table>

**Complete one entire chemistry sequence:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2205</td>
<td>Introduction to Organic and Biochemistry and II</td>
<td>5 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (13 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Environmental**

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<tr>
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</thead>
<tbody>
<tr>
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<td>Botany Across the Cultures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 3152C</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 4156C</td>
<td>Florida Wildflowers</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 BOT 4686C</td>
<td>Conservation and Management of Native Plants</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 BSC 4312C</td>
<td>Marine Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 BSC 4330</td>
<td>Invasion Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 BSC 5258L</td>
<td>Tropical Biology Research and Conservation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 BSC 5824</td>
<td>Biogeography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 PAZ 4233</td>
<td>Zoo and Aquarium Management</td>
<td>3 hrs</td>
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<tr>
<td>2 PCB 3044L</td>
<td>Principles of Ecology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>2 PCB 3304C</td>
<td>River Ecology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 PCB 3355C</td>
<td>Tropical Marine Biology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>2 PCB 3442</td>
<td>Florida Aquatic Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 PCB 5326C</td>
<td>Ecosystems of Florida</td>
<td>5 hrs</td>
</tr>
<tr>
<td>2 PCB 5435C</td>
<td>Marine Ecology of Florida</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 PCB 5485</td>
<td>Models in Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3 ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
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**Systematic**

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<tbody>
<tr>
<td>2 ZOO 4480</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 ZOO 4481</td>
<td>Mammalogy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 ZOO 4516C</td>
<td>Ichthyology</td>
<td>4 hrs</td>
</tr>
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<td>2 ZOO 4643C</td>
<td>Herpetology</td>
<td>4 hrs</td>
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<tr>
<td>2 ZOO 5475L</td>
<td>Field Ornithology</td>
<td>3 hrs</td>
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1 Fulfills Botany requirement. Offered in Biology department.
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3 Fulfills Zoology requirement. Offered in Biology department.

### 5. Restricted Electives (22 hrs)
- Courses must be selected from the groupings listed below.
- 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. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator.
- 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**

<table>
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</tr>
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<tbody>
<tr>
<td>2 ZOO 4205</td>
<td>Field Ornithology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4 hrs</td>
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<td>Vertebrate Evolution &amp; Ecology</td>
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<tr>
<td>1 BOT 4454C</td>
<td>General Mycology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 BOT 4713C</td>
<td>Plant Taxonomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>1 BOT 5485C</td>
<td>Terrestrial Cryptogams</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ENY 4004C</td>
<td>General Entomology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 ENY 5006C</td>
<td>Entomology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 MCB 3020C</td>
<td>General Entomology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>2 PCB 4205C</td>
<td>Biology and Ecology of Metazoan Invertebrates</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
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2 Offered in Biology department.
3 Fulfills Zoology requirement. Offered in Biology department.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

### 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.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology 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.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Environmental Engineering
- Molecular Biology and Microbiology
- Science Education - Biology

Certificates

- None

Related Minors

- Biology
- Environmental Studies
- Molecular Biology and Microbiology

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes

- Lower Division courses taken at community colleges 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 Chemistry, take Chemistry Placement Test ~ http://chmplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math Course 4 hrs

Freshman Year - Spring

- Free Elective 3 hrs
- 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

- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PCB 3044 Principles of Ecology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring

- GEP 3 hrs
- Restricted Elective 5 hrs
- Free Elective 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Fall

- Restricted Elective 5 hrs
- Free Elective 3 hrs
- PCB 3523 Molecular Cell Biology 3 hrs
- PHY 2053C College Physics I 4 hrs

Junior Year - Spring

- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- PHY 2054C College Physics II 4 hrs

Senior Year - Fall

- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Senior Year - Spring

- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 4 hrs
- GEP 3 hrs

1 CHM 2211L Organic Laboratory Techniques I 2 hrs

1 May be taken in an earlier term if space permits.

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: $19 per term
- Full-Time Student: $38 per term
2. Common Program Prerequisites (CPP) (16 hrs)

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.

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 4397 Instructional Experiences in Undergraduate Biology 2 hrs

Upon reaching junior standing, 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 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Mathematics: 4 hrs
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics: 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- 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 /
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this year long equivalent instead.
- Required CHM 2040C Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041C Chemistry Fundamentals IB 3 hrs

Complete one entire physics sequence:
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:

CHM 2045C Chemistry Fundamentals I GEP
- or - Students with little chemistry background should take this year long equivalent instead.

CHM 2040C Chemistry Fundamentals IA and GEP
CHM 2041C Chemistry Fundamentals IB GEP

3. Core Requirements: Basic Level (8 hrs)

CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
STA 2023 Statistical Methods I GEP/CPP

4. Core Requirements: Advanced Level (13 hrs)

PCB 3023 Molecular Cell Biology 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 4863 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.
Form/Function

Complete a minimum of one lecture course from this group. 3 hrs
BCH 4053 Biochemistry I or 3 hrs
BCH 4054 Biochemistry II or 3 hrs
1 BSC 4454 Research in Animal Physiology or 2 hrs
2 PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
2 PCB 3063L Genetics Laboratory or 1 hr
PCB 3233 Immunology or 3 hrs
2 PCB 4514 Genetics II or 3 hrs
1 PCB 4723 Animal Physiology or 4 hrs
2 PCB 5665C Human Genetics or 4 hrs
1 ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
1 ZOO 4603C Embryology/Development or 5 hrs
ZOO 4753C Vertebrate Histology 4 hrs

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

Environmental

Complete a minimum of one lecture course from this group. 3 hrs
1 BOT 3002 Ethnobotany 3 hrs
1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group. 3 hrs
MCB 3020C General Microbiology or 5 hrs
1 ZOO 4205C Biology and Ecology of Metazoan 4 hrs
1 ZOO 4310C Vertebrate Evolution & Ecology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology 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.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology 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.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Biology
- Molecular Biology and Microbiology

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 taken at community colleges 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.
UCF Degree Programs

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://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

15 hrs

- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Math prerequisite/Restricted Elective  4 hrs

Freshman Year - Spring

15 hrs

- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- Math prerequisite/Restricted Elective  4 hrs

Sophomore Year - Fall

16 hrs

- GEP 3 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- PCB 3044  Principles of Ecology  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Spring

16 hrs

- GEP 3 hrs
- Restricted Elective  3 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PCB 3063  Genetics  3 hrs

Junior Year - Fall

16 hrs

- GEP 3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Junior Year - Spring

14 hrs

- Restricted Elective  3 hrs
- GEP 3 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Senior Year - Fall

15 hrs

- Restricted Elective  4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective  4 hrs
- Free Elective  2 hrs

Senior Year - Spring

15 hrs

- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  2 hrs
- Free Elective  3 hrs
- 1 CHM 2211L  Organic Laboratory Techniques I  2 hrs

1 May be taken earlier if space permits.

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: $19 per term
- Full-Time Student: $38 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E Kolattukudy, Chair
Dr. Henry Danieli, Program Director, daniell@mail.ucf.edu
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 Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-” (1.75) in life science courses will not be accepted

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

A: Communication Foundations

- Required  ENC 1101  Composition I  3 hrs
- Required  ENC 1102  Composition II  3 hrs
- Prefer  SPC 1603  Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations

- Required  STA 2023  Statistical Methods I  3 hrs

Select 1:

- Required  MAC 2253  Applied Calculus I or  4 hrs

- Required  MAC 2311  Calculus with Analytic Geometry I  4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

- Required  BSC 2010C  Biology I  4 hrs
- Required  CHM 2045C  Chemistry Fundamentals I  4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

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

BSC 2010C  Biology I  4 hrs

BSC 2011C  Biology II  4 hrs

CHM 2046  Chemistry Fundamentals II  3 hrs

CHM 2210  Organic Chemistry I  3 hrs

CHM 2211  Organic Chemistry II  3 hrs

MAC 2311  Calculus with Analytic Geometry I  4 hrs

PHY 2053C  College Physics I  4 hrs

PHY 2054C  College Physics II  4 hrs

STA 2023  Statistical Methods I  3 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (0 hrs)

None

UNIVERSITY OF CENTRAL FLORIDA
4. Core Requirements: Advanced Level (52 hrs)

Life Sciences
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4529 Experimental Molecular Biology 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 8 hrs
  - or
  - PHY 2048C Physics for Engineers & Scientists I and PHY 2049C Physics for Engineers and Scientists II 8 hrs

Math
- Select 1: 3 hrs
  - MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department.
- Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for 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.
## 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 STAX014 or STA X024 or STA X321

**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 STAX014 or STA X024 or STA X321

## Acceptable Substitutes for Transfer Courses

- **BSC 2010C** Biology I may be substituted with: **BSC 3403C**
- **CHM 2045C** Chemistry Fundamentals I may be substituted with: **CHM 2040**
- CHM 2045C may be substituted with **CHM 2040 and CHM 2041**

## Plan of Study

### Freshman Year - Fall
- **13 hrs**
  - **CHM 2045C** Chemistry Fundamentals I
  - **ENC 1101** Composition I
  - Select 1: 3 hrs
  - **ANT 2000** General Anthropology or **PSY 2012** General Psychology or **SYG 2000** Introduction to Sociology

### Freshman Year - Spring
- **14 hrs**
  - **BSC 2010C** Biology I
  - **CHM 2046** Chemistry Fundamentals II
  - **CHM 2046L** Chemistry Fundamentals Laboratory
  - **ENC 1102** Composition II
  - **SPC 1603** Fundamentals of Technical Presentations

### Sophomore Year - Fall
- **15 hrs**
  - **CHM 2210** Organic Chemistry I
  - **MCB 3020C** General Microbiology
  - **Select 1:**
    - **MAC 2253** Applied Calculus I or **MAC 2311** Calculus with Analytic Geometry I
  - **Select 1:**
    - **AMH 2010** U.S. History: 1492-1877 or **EUH 2000** Western Civilization I or **HUM 2210** Humanistic Tradition I or **WOH 2012** World Civilization I

### Sophomore Year - Spring
- **15 hrs**
  - **BSC 3403C** Quantitative Biological Methods
  - **CHM 2211** Organic Chemistry II
  - **CHM 2211L** Organic Laboratory Techniques I
  - **Select 1:**
    - **CGS 1060C** Introduction to Computer Science or **STA 2023** Statistical Methods
  - **Select 1:**
    - **AMH 2020** U.S. History: 1877-Present or **EUH 2001** Western Civilization II or **HUM 2230** Humanistic Tradition II or **WOH 2022** World Civilization II

### Junior Year - Fall
- **16 hrs**
  - **MCB 4720** Industrial Perspectives Seminar
  - **PCB 3522** Molecular Biology I
  - **Select 1:**
    - **ECO 2013** Principles of Macroeconomics or **POS 2041** American National Government
  - **Select 1:**
    - **PHY 2048C** Physics for Engineers & Scientists II or **PHY 2054C** College Physics II

### Junior Year - Spring
- **15 hrs**
  - **BSC 2011C** Biology II
  - **PCB 3233L** Immunology Laboratory
  - **PCB 4259** Molecular Immunology
  - **PCB 4524** Molecular Biology II
  - **Select 1:**
    - **PHY 2049C** Physics for Engineers and Scientists II or **PHY 2054C** College Physics II

### Senior Year - Fall
- **14 hrs**
  - **BCH 4053** Biochemistry I
  - **MCB 4312** Molecular Biotechnology
  - **MCB 4721C** Methods in Biotechnology
  - Restricted Elective

### Senior Year - Spring
- **13 hrs**
  - **MCB 4414** Microbial Metabolism
  - **PCB 4174** Foundation of Bio-Imaging Science
  - **PCB 4529** Experimental Molecular Biology
  - Restricted Elective

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Business
- See General Business
Business Administration (B.A.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu
E-mail: cba@bus.ucf.edu
Ms. Selena Forrest (Clermont Advising), 352-536-2174
Ms. Angelaia Jones (Cocoa Advising), 321-433-7889
Ms. Christine Davis (Daytona Advising), 386-506-4021
Ms. 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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

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 1508 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required MAC 1140 Pre-Calculus Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
Suggested ANT 2000 General Anthropology or 3 hrs
Suggested PSY 2012 General Psychology or 3 hrs
Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- 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:
- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from 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 (0 hrs)
- 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
- This course should be 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

GBE 3375 Introduction to International Business 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

1 Required in the 1st or 2nd semester

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 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
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
- None
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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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, Microeconomics, Macroeconomics, 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 Public Community College 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 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.
- 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

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.o eas.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, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstafl@mail.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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (24 hrs)

- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Placement Test is also required for students with little chemistry background.
- Placement is determined on the basis of high school record, standardized test scores, AP/IB exams, CLEP, Credit by Exam, and Armed Forces exams.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

CHM 2045C  Chemistry Fundamentals I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
CHM 2210  Organic Chemistry I  3 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
MAC 2311  Calculus with Analytic Geometry I  GEP
MAC 2312  Calculus with Analytic Geometry II  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP/CPP
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

3. Core Requirements: Basic Level (4 hrs)

BSC 2010C  Biology I  GEP
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHY 2049C  Physics for Engineers and Scientists II  GEP/CPP
PHY 2049C  Physics for Engineers and Scientists II  CPP

Select 1:
- STA 1060C  Basic Statistics Using Microsoft Excel
- STA 2023  Statistical Methods I

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 3212L  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 4130  Advanced Analytical Laboratory Technique  3 hrs
CHM 4130L  Advanced Analytical Chemistry Laboratory  2 hrs
CHM 4610  Inorganic Chemistry  3 hrs
CHM 4610L  Inorganic 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 4200  Concepts in Industrial 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.
- Computer Competency met by their statistics course or by departmental assessment.
- 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.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- Chemistry - Biochemistry Track
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology
- Science Education - Chemistry

Certificates
- None

Related Minors
- Chemistry
- Molecular Biology and Microbiology
Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower Division courses taken at community colleges 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 2046C: may use CHM X040C plus CHM X041C.
- Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Math, you must take Math Placement Test~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 14 hrs
- GEP 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 16 hrs
- GEP 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs

Junior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs

Senior Year - Fall 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 2 hrs
- CHM 4930 Chemistry Seminar I 1 hr

Senior Year - Spring 15 hrs
- GEP 3 hrs
- CHM 4912 Directed Independent Research 3 hrs
- CHM 4931 Chemistry Seminar II 1 hr

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

Chemistry - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, CH, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemsta@mail.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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 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 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (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
<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C: Mathematical Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required: MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Prefer: STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(8 hrs)</td>
</tr>
<tr>
<td>Required: BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required: PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP) | (20 hrs) |
CHM 2045C Chemistry Fundamentals I | 4 hrs |
CHM 2046 Chemistry Fundamentals II | 3 hrs |
CHM 2046L Physics for Engineers & Scientists I | 4 hrs |
CHM 2210 Organic Chemistry I | 1 hr |
CHM 2211 Organic Chemistry II | 3 hrs |
CHM 2211L Organic Laboratory Techniques I | 2 hrs |
MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
MAC 2312 Calculus with Analytic Geometry II | 4 hrs |

NOTE: These courses are considered as equivalents:
CHM 2045C Chemistry Fundamentals I | 4 hrs |
or
CHM 2040C Chemistry Fundamentals IA and IB | 3 hrs |
CHM 2041C Chemistry Fundamentals IB | 3 hrs |

3. Core Requirements: Basic Level | (14 hrs) |
BSC 2010C Biology I | GEP |
CHM 3120 Analytical Chemistry | 3 hrs |
CHM 3120L Analytical Chemistry Laboratory | 1 hr |
CHM 3212L Organic Laboratory Techniques II | 2 hrs |
MAC 2311 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 |

Select one of the following statistics courses | 0 hr |
STA 1060C Basic Statistics Using Microsoft Excel | GEP |
STA 2023 Statistical Methods I | GEP |

4. Core Requirements: Advanced Level | (40 hrs) |
BCH 4053 Biochemistry I | 3 hrs |
BCH 4054 Biochemistry II | 3 hrs |
BCH 4103L Biochemical Methods | 2 hrs |
CHM 3410 Physical Chemistry I | 4 hrs |
CHM 3411 Physical Chemistry II | 3 hrs |
CHM 3411L Physical Chemistry Laboratory | 2 hrs |
CHM 4220 Organic Chemistry III | 3 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 | (7 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 |
CHM 5235 Applied Molecular Spectroscopy | 3 hrs |
PCB 3522 Molecular Biology I | 3 hrs |
Additional upper level courses as approved by a departmental advisor.

Additional physical, biological, and mathematical sciences courses.
In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
These courses should be at least at the 3000 level.

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by statistics or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

10. Required Minors
None

11. Departmental Exit Requirements
Students are required to take a nationally normed test in chemistry 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.

Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology

Certificates
None
Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges 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://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- 15 hrs
  - BSC 2010C  Biology I  4 hrs
  - CHM 2045C  Chemistry Fundamentals I  4 hrs
  - ENC 1101  Composition I  3 hrs
  - MAC 2311  Calculus with Analytic Geometry I  4 hrs

### Freshman Year - Spring
- 17 hrs
  - GEP 3 hrs
  - CHM 2046  Chemistry Fundamentals II  3 hrs
  - CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  - ENC 1102  Composition II  3 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs

### Sophomore Year - Fall
- 14 hrs
  - CHM 2210  Organic Chemistry I  3 hrs
  - MAC 2313  Calculus with Analytic Geometry III  4 hrs
  - PHY 2048C  Physics for Engineers & Scientists I  4 hrs
  - Statistics 3 hrs

### Sophomore Year - Spring
- 16 hrs
  - GEP 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
  - PHY 2049C  Physics for Engineers and Scientists II  4 hrs

### Junior Year - Fall
- 14 hrs
  - GEP 3 hrs
  - BCH 4053  Biochemistry I  3 hrs
  - CHM 3212L  Organic Laboratory Techniques II  2 hrs
  - PCB 3023  Molecular Cell Biology  3 hrs
  - PCB 3063  Genetics  3 hrs

### Junior Year - Spring
- 13 hrs
  - GEP 3 hrs
  - BCH 4054  Biochemistry II  3 hrs
  - BCH 4103L  Biochemical Methods  2 hrs
  - MCB 3020C  General Microbiology  5 hrs

### Senior Year - Fall
- 16 hrs
  - Restricted Elective 3 hrs
  - CHM 3410  Physical Chemistry I  4 hrs
  - CHM 4220  Organic Chemistry III  3 hrs
  - CHM 4912  Directed Independent Research  1 hr
  - CHM 4930  Chemistry Seminar I  1 hr

### Senior Year - Spring
- 15 hrs
  - GEP 3 hrs
  - CHM 3411  Physical Chemistry II  3 hrs
  - CHM 3411L  Physical Chemistry Laboratory  2 hrs
  - CHM 4610  Inorganic Chemistry  3 hrs
  - CHM 4912  Directed Independent Research  3 hrs
  - CHM 4931  Chemistry Seminar II  1 hr

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

#### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Cinema Studies Track in Film
See Film - Cinema Studies Track

#### Civil Engineering (B.S.C.E.)

**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

http://www.cece.ucf.edu

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu

Dr. F. Necati Catbas, catbas@mail.ucf.edu

Phone: 407-823-2841

#### Admission Requirements
- None

#### 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.

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 State University/Community College Systems 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 1803 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 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 2032 Probability and Statistics for Engineers 3 hrs

   D: **Social Foundations** (6 hrs)
   - Select 1: ECO 2013 Principles of Macroeconomics or 3 hrs
   - Select 1: ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations 3 hrs
E: Science Foundations (7 hrs)
Preferred GEO 1200 Physical Geography 3 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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (5 hrs)
   - CHM 2040C Chemistry Fundamentals IA and 3 hrs
   - CHM 2041C Chemistry Fundamentals IB 3 hrs
   or
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   or
   - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

4. Core Requirements: Advanced Level (57 hrs)
   - CCE 4003 Introduction to the Construction Industry 3 hrs
   - CES 4100C Structural Analysis I and Lab 4 hrs
   - CGN 3501C Civil Engineering Materials 3 hrs
   - CWR 3201 Engineering Fluid Mechanics 3 hrs
   - CWR 4101C Hydrology 3 hrs
   - CWR 4203C Hydraulics 3 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3331 Mechanics of Materials 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - EGN 3613 Engineering Economic Analysis 2 hrs
   - ENV 3001 Introduction to Environmental Engineering 3 hrs
   - ENV 4561 Environmental Engineering - Process Design 4 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - SUR 2101C Surveying 3 hrs
   - TTE 4004 Transportation Engineering 4 hrs

Select 1: 3 hrs
   - CES 4605 Steel Structures or
   - CES 4702 Reinforced Concrete Structures 3 hrs

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - Required Senior Design Courses
   - Select 2: 6 hrs
     - CES 4801C Geotechnical Engineering Design or
     - CES 4608C Steel Design or
     - CES 4709C Concrete Design or
     - CGN 4808C Civil Engineering Capstone Design or
     - CWR 4812C Water Resources Design or
     - ENV 4562C Environmental Engineering Systems Design or
     - TTE 4601C Urban Systems Design 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Mathematics

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.
UCF Degree Programs

Transfer Notes
- Courses taken from Community Colleges 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
- GEP 14 hrs
- EGN 1006C 3 hrs
- ENC 1101 3 hrs
- MAC 2311 4 hrs

Select 1:
- ECO 2013 3 hrs
- ECO 2023 3 hrs

Freshman Year - Spring
- EGN 1007C 14 hrs
- ENC 1102 3 hrs
- MAC 2312 3 hrs
- PHY 2048C 4 hrs

Sophomore Year - Fall
- GEP 14 hrs
- CHM 2045C 3 hrs
- ENC 3310 3 hrs
- MAC 2313 4 hrs

Sophomore Year - Spring
- GEP 16 hrs
- CHM 2046 3 hrs
- EGN 3321 3 hrs
- MAF 2302 3 hrs
- PHY 2049C 4 hrs

Sophomore Year - Summer
- EGN 3331 9 hrs
- ENV 3001 3 hrs
- SUR 2101C 3 hrs

Junior Year - Fall
- CCE 4003 16 hrs
- CES 4100C 3 hrs
- CWR 3201 3 hrs
- SPC 1603 3 hrs
- STA 3032 3 hrs

Junior Year - Spring
- GEP 16 hrs
- CWR 4101C 3 hrs
- CWR 4203C 3 hrs
- EGN 3373 3 hrs
- TTE 4004 4 hrs

Senior Year - Fall
- CEG 4011C 14 hrs
- ENV 4561 4 hrs

Select 1:
- CES 4605 3 hrs
- CES 4702 3 hrs

Design Course #1 3 hrs

Senior Year - Spring
- Restricted Elective 15 hrs
- GEP 3 hrs
- CEG 3501C 3 hrs
- EGN 3343 3 hrs
- Design Course #2 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders (B.A. / B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders
Health and Public Affairs II, Room: 101
http://www.cohta.ucf.edu/comdis/
E-mail: comdisu@mail.ucf.edu
R. Jane Lieberman
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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

Select 1:
- STA 2014C 3 hrs
- STA 2023 3 hrs
- STA 2041 3 hrs

Select 2: 3 hrs
- Suggested Principles of Statistics
- Suggested Statistical Methods I
- Suggested Principles of Microeconomics

D: Social Foundations (6 hrs)
   - Suggested PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
   - None
3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (56 hrs)

Statistics Requirement
- Students have two options for completing this requirement:
  
**Option 1:**
- STA 2023  Statistical Methods I or GEP
- STA 4163  Statistical Methods II 3 hrs

**Option 2:**
- STA 2014C  Principles of Statistics 3 hrs

or
- SPA 4803  Research Methods in Communication Sciences and Disorders 3 hrs

- STA 2023  Statistical Methods I 3 hrs

Core Requirements (53 hrs)
- DEP 2004  Developmental Psychology 3 hrs
- LIN 3713  Language Science 3 hrs
- 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 3101  Physiological Bases of Speech and Hearing 3 hrs
- SPA 3104  Neural Bases of Communication 3 hrs
- SPA 3112  Basic Phonetics 3 hrs
- SPA 3112L  Basic Phonetics Lab 1 hr
- SPA 3123  Speech Science II: Perception 3 hrs
- SPA 3123L  Speech Perception Lab 1 hr
- SPA 3471  Communication Disorders in Literature and Media 3 hrs
- SPA 4032  Audiology 3 hrs
- SPA 4321  Audiolinguistic Rehabilitation 3 hrs
- SPA 4400  Language Disorders Across the Life Span 3 hrs
- SPA 4476  Speech Disorders Across the Lifespan 3 hrs
- SPA 4478  Multicultural Aspects of Communication 3 hrs
- SPA 4870C  Capstone Course 3 hrs

**Select 1:**
- EAB 5703  Principles of Behavior Modification or 4 hrs
- EDF 3303  Learning Environments and Guidance for Young Children or 3 hrs
- EEC 4604  Classroom Management and Guidance of Young Children or 3 hrs
- EEX 4601  Introduction to Behavior Management or 3 hrs
- SPA 3472  Guidance of Young Children with Communication Disorders 3 hrs

5. Restricted Electives (9 hrs)
- An additional nine credit hours of upper division course work 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.
- 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. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve a minimum grade of “C-” (1.75) in all required 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Programs

- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

Certificates
- None

Related Programs

- Aging Studies
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

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
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005L Biological Principles Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Select 1:
- ARH 2050  History of Western Art I or
- ARH 2051  History of Western Art II or
- FIL 1000  Cinema Survey or
- LIT 2110  World Literature I or
- LIT 2120  World Literature II or
- MUL 2010  Enjoyment of Music or
- PHI 2010  Introduction to Philosophy or
- REL 2300  World Religions or
- THE 2000  Theatre Survey

Freshman Year - Spring
- DEP 2004  Developmental Psychology Composition II 3 hrs
- ENC 1102  Composition II 3 hrs
- Select 1:
  - PHY 2053C  College Physics I or
  - PSC 1121  Physical Science 3 hrs
- Select 1:
  - ECO 2013  Principles of Macroeconomics or
  - ECO 2023  Principles of Microeconomics or
  - POS 2041  American National Government 3 hrs
- Select 1:
  - AMH 2010  U.S. History: 1492-1877 or
  - EUH 2000  Western Civilization I or
  - HUM 2210  Humanistic Tradition I

Sophomore Year - Fall
- Free Elective
- SPA 3471  Communication Disorders in Literature and Media 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs
- Select 1:
  - AMH 2020  U.S. History: 1877-Present or
  - EUH 2001  Western Civilization II or
  - HUM 2230  Humanistic Tradition II
- Select 1:
  - MAC 1105  College Algebra or
  - MGF 1106  Finite Mathematics 3 hrs

Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Restricted Elective
- SPA 3112  Basic Phonetics 3 hrs
- SPA 3112L  Basic Phonetics Lab 1 hr
- Select 1:
  - EAB 3703  Principles of Behavior Modification or
  - EDF 3303  Learning Environments and Guidance of Young Children or
  - EEC 4604  Classroom Management and Guidance of Young Children or
  - EEX 4601  Introduction to Behavior Management or
  - SPA 3472  Communication Disorders
- Select 1:
  - STA 2014C  Principles of Statistics or
  - STA 2023  Statistical Methods I 3 hrs
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

Sophomore Year - Summer
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective 3 hrs

Junior Year - Fall
- Restricted Elective
- LIN 3713  Language Science 3 hrs
- SPA 3010  Speech Science I: Production 3 hrs
- SPA 3011L  Speech Production lab 1 hr
- SPA 3101  Physiological Bases of Speech and Hearing 3 hrs

Junior Year - Summer
- Foreign Language II (B.A.) or Health Sciences Elective (B.S.) 3 hrs

Senior Year - Fall
- SPA 4032  Audiology 3 hrs
- SPA 4478  Multicultural Aspects of Communication Disorders & Differences 3 hrs
- Select 1:
  - SPA 4903  Research Methods in Communication
  - STA 4163  Statistical Methods II 3 hrs

Senior Year - Spring
- 1 Restricted Elective 3 hrs
- Free Elective 3 hrs
- SPA 4321  Audiology Rehabilitation 3 hrs
- SPA 4501L  Undergraduate Clinical Practicum 3 hrs
- SPA 4870C  Capstone Course 3 hrs

1 Consult department for list of restricted electives.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- 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 State University/Community College Systems 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 1603  Fundamentals of Technical Presentations 3 hrs
- Suggested SPC 1608  Fundamentals of Oral Communication 3 hrs
### B: Cultural & Historical Foundations
Select two courses from Cultural Foundations...
Select one class from Cultural Foundations...

### C: Mathematical Foundations
**Required**
- MAC 2311: Calculus with Analytic Geometry I
- STA 3032: Introduction to Probability and Statistics

**Preferred**

### D: Social Foundations
Select 1:
- ECO 2013: Principles of Macroeconomics
- ECO 2023: Principles of Microeconomics

Select one class from Social Foundations...

### E: Science Foundations
**Required**
- PHY 2048C: Physics for Engineers & Scientists I
- PHY 2049C: Physics for Engineers & Scientists II

Select one course from Science Foundations...

### 2. Common Program Prerequisites (CPP)
- **Total:** 19 hrs

  These courses are specifically required for all engineering students of the Florida State University System. CPP courses are available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101: Composition I</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 1102: Composition II</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level
- **Total:** 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C: Intro to Eng</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C: Eng Concepts</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level
- **Total:** 54 hrs

#### Engineering Core
- **Total:** 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310: Eng Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032: Prob Stats</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Select 1:
- **Total:** 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321: Eng Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358: Thermo-Fluids</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Courses Required for the Major
- **Total:** 48 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3380: Obj Oriented Programming</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>4 hrs</td>
</tr>
<tr>
<td>COP 4331C: Process Dev</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4600: Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C: Intro Discrete Struct</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives
- **Total:** 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
- **Total:** 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914: Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4915L: Senior Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

Admissions
- None

### 8. Electives
- 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
- None

### Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

### Certificates
- None

### Related Minors
- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics
UCF Degree Programs

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 Community Colleges 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 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Freshman Year - Spring
- COP 3223 Introduction to Programming with C 3 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

Sophomore Year - Fall
- COT 3100C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEL 3123C Networks and Systems 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- ENC 1102 Composition II 3 hrs
- MAP 2302 Differential Equations 3 hrs

Select 1:
- CHM 2045C Chemistry Fundamentals I or
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- EEE 3307C Electronics I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- GEP- Social Foundation 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- EEL 4915L Senior Design II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Computer Science (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Ms. Charles Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- 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.

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 Computer Science at UCF.
- At least 24 of the 25 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:
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Prefer BSC 2010C Biology I 4 hrs
Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (15 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.

Select 2:
- 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
BSC 2011C  Biology II
CHM 2045C  Chemistry Fundamentals I or
CHM 2046  Chemistry Fundamentals II or
PHY 3101  Physics for Engineers and Scientists III

3. Core Requirements: Basic Level (25 hrs)
- A “C” (2.0) or better is required in all courses in this area.

Select 2:
- 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
BSC 2011C  Biology II
CHM 2045C  Chemistry Fundamentals I or
CHM 2046  Chemistry Fundamentals II or
PHY 3101  Physics for Engineers and Scientists III

4. Core Requirements: Advanced Level (20 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.

Select 2:
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.

COP 4020  Programming Languages I
COP 4351C  Processes for Object-Oriented Software
COP 4600  Operating Systems
COT 4210  Discrete Structures II
COT 4810  Topics in Computer Science
EEL 4768C  Computer Architecture

5. Restricted Electives (15 hrs)
- A “C” (2.0) or better is required in all courses in this area.

4000-5000 level Computer Science courses 9 hrs
- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics 6 hrs
- Courses from: STA, MAP, MAA, MAD, MAS prefixes and the following. No independent study hours, internship, or cooperative education hours are allowed.

MAC 2313  Calculus with Analytic Geometry III
MAP 2302  Differential Equations
MAS 3105  Matrix and Linear Algebra
MAS 3106  Linear Algebra

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
- 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
- Computer Competency met by completion of major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses taken at community colleges 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 12 hrs
COP 3223  Introduction to Programming with C 3 hrs
COT 3100C  Introduction to Discrete Structures 3 hrs
ENC 1101  Composition I 3 hrs
SPC 1603  Fundamentals of Technical Presentations 3 hrs

Freshman Year - Spring 13 hrs
CDA 3103  Computer Logic and Organization 3 hrs
COP 3502C  Computer Science I 3 hrs
COT 3960  CS Foundation Exam 0 hrs
ENC 1102  Composition II 3 hrs
MAC 2311  Calculus with Analytic Geometry I 4 hrs
UCF Degree Programs

Freshman Year - Summer
- COP 3330  Object Oriented Programming  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

Sophomore Year - Fall
- 14 hrs
- GEP
- COP 3402  Systems Software  3 hrs
- COP 3503C  Computer Science II  4 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Sophomore Year - Spring
- 14 hrs
- CIS 3360  Security in Computing  3 hrs
- COP 4331C  Processes for Object-Oriented Software Development  4 hrs
- ENC 3241  Writing for the Technical Professional  3 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Sophomore Year - Summer
- 6 hrs
- GEP
- STA 2023  Statistical Methods I  3 hrs

Junior Year - Fall
- 14 hrs
- GEP
- BSC 2010C  Biology I  4 hrs
- COP 4020  Programming Languages I  3 hrs
- EEL 4768C  Computer Architecture  4 hrs

Junior Year - Spring
- 13 hrs
- 3 hrs
- 3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- COP 4600  Operating Systems  3 hrs

Senior Year - Fall
- 12 hrs
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

Senior Year - Spring
- 12 hrs
- 3 hrs
- GEP
- 3 hrs
- 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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
Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. Amr A. Oloufa, aoloufa@mail.ucf.edu
Phone: 407-823-2841

Admission Requirements
- None

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.

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 State University/Community College Systems 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 1603  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 2311  Calculus with Analytic Geometry I  4 hrs
- Required STA 3032  Probability and Statistics for Engineers  3 hrs

D: Social Foundations (6 hrs)
- Select 1:  3 hrs
  - Prefer ECO 2013  Principles of Macroeconomics  or
  - Prefer ECO 2023  Principles of Microeconomics  3 hrs
- Select one class from Social Foundations  3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- Required PHY 2049C  Physics for Engineers and Scientists II  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. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- ENC 1101  Composition I  GEP
- ENC 1102  Composition II  GEP
- MAC 2311  Calculus with Analytic Geometry I  GEP
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- MAP 2302  Differential Equations  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:
- CHM 2040C  Chemistry Fundamentals IA and  3 hrs
- CHM 2041C  Chemistry Fundamentals IB  3 hrs
- or
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- or
- CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs

3. Core Requirements: Basic Level (5 hrs)
- CHM 2045C  Chemistry Fundamentals I  CPP
- CHM 2046  Chemistry Fundamentals II  3 hrs
- EGN 1006C  Introduction to the Engineering Profession  1 hr
- EGN 1007C  Engineering Concepts and Methods  1 hr
4. Core Requirements: Advanced Level (57 hrs)

ACG 2071 Principles of Managerial Accounting 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
CCE 4402 Construction Equipment and Productivity 3 hrs
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I and Lab 4 hrs
CGN 3501C Civil Engineering Materials 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Engineering 4 hrs

Select 1: 3 hrs

CSE 4605 Steel Structures or
CSE 4702 Reinforced Concrete Structures 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)

Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take one of the following as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. 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.

Select 1: 3 hrs

CWR 4101C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

6. Capstone Requirements (6 hrs)

Required Senior Design Courses

Take all of the following: 6 hrs

CCE 4810C Construction Design Project and 3 hrs
CEG 4801C Geotechnical Engineering Design 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

Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residence at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

128

Honors in Major

None

Related Programs

Civil Engineering
Environmental Engineering

Certificates

None

Related Minors

Business
Engineering Leadership
Mathematics

Advising Notes

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes

Courses taken from Community Colleges 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)

Freshman Year - Fall

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Freshman Year - Spring

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

GEP
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Fall

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

GEP
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

GEP
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Fall

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

GEP
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

GEP
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
## UCF Degree Programs

### Sophomore Year - Fall
- **GEP** 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

### Sophomore Year - Spring
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Mechanics of Materials 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

### Sophomore Year - Summer
- **GEP** 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3052 Probability and Statistics for Engineers 3 hrs

### Junior Year - Fall
- **GEP** 3 hrs
- CES 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

### Junior Year - Spring
- **Restricted Elective** 3 hrs
- CCE 4004 Construction Methods 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- SUR 2101C Surveying 3 hrs

### Senior Year - Fall
- **CCE 4034 Construction Estimating and Scheduling** 3 hrs
- **CCE 4813 Mechanical and Electrical Systems for Buildings** 4 hrs
- **CEG 4011C Geotechnical Engineering I** 4 hrs
- **TTE 4004 Transportation Engineering** 4 hrs

### Senior Year - Spring
- **ACG 2071 Principles of Managerial Accounting** 3 hrs
- **CCE 4402 Construction Equipment and Productivity** 3 hrs
- **CCE 4810C Construction Design Project** 3 hrs
- **CEG 4801C Geotechnical Engineering Design** 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Criminal Justice (B.A. / B.S.)
**College of Health and Public Affairs**
**Department of Criminal Justice and Legal Studies**, Health and Public Affairs, Room: 311
[http://www.cojpa.ucf.edu/crmj/]
**E-mail: cjadvise@mail.ucf.edu**

**Mary Ann Eastep**
**Phone: 407-823-2603**

### Admission Requirements
- **None**

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

1. **UCF General Education Program (GEP) (36 hrs)**
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP) (0 hrs)**
   - None

3. **Core Requirements: Basic Level** (0 hrs)
   - None

4. **Core Requirements: Advanced Level** (18 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3014 Crime in America 3 hrs
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CIL 3510 Prosecution and Adjudication 3 hrs

5. **Restricted Electives** (42 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.
15 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.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Psychology
- Public Administration

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I
- PAF 2102 Public Affairs Careers

Select 1:
- MAC 1105 College Algebra or
- MGF 1106 Finite Mathematics

Select 2:
- ANT 2000 General Anthropology or
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology

Select 1:
- AMH 2010 U.S. History: 1492-1877 or
- EUH 2000 Western Civilization I or
- HUM 2210 Humanistic Tradition I

Freshman Year - Spring
- CGS 1060C Introduction to Computer Science
- ENC 1102 Composition II

Select 1:
- CHM 1020 Concepts in Chemistry or
- PSC 1121 Physical Science

Select 1:
- MUL 2100 Enjoyment of Music or
- PHI 2100 Introduction to Philosophy

Select 1:
- ARH 2050 History of Western Art I or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II or
- PHI 2100 Introduction to Philosophy or
- REL 2230 World Religions or
- THE 2000 Theatre Survey

Sophomore Year - Fall
- Free Elective
- SPC 1608 Fundamentals of Oral Communication

Select 1:
- AMH 2020 U.S. History: 1877-Present or
- EUH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II

Select 1:
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles or
- GLY 1030 Geology and its Applications or
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or
- PSC 1121 Physical Science

Select 1:
- ECO 2013 Principles of Macroeconomics or
- POS 2041 American National Government

Sophomore Year - Spring
- Restricted Elective
- Restricted Elective

Select 1:
- Restricted Elective
- Supporting Elective
- CCJ 3014 Crime in America
- CCJ 3024 Criminal Justice System

Junior Year - Fall
- Restricted Elective
- Supporting Elective
- CCJ 3010 Corrections and Penology
- CJS 3510 Prosecution and Adjudication
- CJ Elective

Junior Year - Spring
- Restricted Elective
- Restricted Elective
- Supporting Elective
- CCJ 4701 Research Methods in Criminal Justice
- CJE 4014 Police and Society
UCF Degree Programs

**Senior Year - Fall**
- 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Supporting Elective 3 hrs
  - Free Elective 3 hrs
  - Free Elective 3 hrs

**Senior Year - Spring**
- 12 hrs
  - 1 Free Elective 3 hrs
  - 1 Free Elective 3 hrs
  - Supporting Elective 3 hrs
  - Restricted Elective or CCJ Internship 3 hrs

1. UCF General Education Program (GEP) (37 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - Take all of the following: 6 hrs
     - Required ARH 2050 History of Western Art I and 3 hrs
     - Required ARH 2051 History of Western Art II 3 hrs
   - Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)
   - Required COP 2500C Concepts in Computer Science 4 hrs
   - Required MAC 1105 College Algebra 3 hrs
   - (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
   - ARH 2050 History of Western Art I GEP
   - ARH 2051 History of Western Art II 3 hrs
   - ART 2201C Design Fundamentals—Two Dimensional 3 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - COP 2500C Concepts in Computer Science GEP
   - MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   - Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2190C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
- 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

Game Design 42 hrs
   - Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a “B” (3.0) in DIG 4713

Game Design: Basic Concentration 24 hrs
- COP 3223 Introduction to Programming with C and 3 hrs
- COP 3330 Object Oriented Programming and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production and 3 hrs
- DIG 4720C Casual Game Production and 3 hrs
- FIL 3720C Introduction to Animation and 3 hrs
- GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs
   - Complete 18 hours of credits from the following areas:
     - DIG 4725C must be taken at least two times. It is repeatable for credit.
     - 12 Additional hrs of 3000 or 4000 level courses from ART, ARH, 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
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and 3 hrs
- DIG 3761C Internet Interaction and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4530C Media for e-Commerce and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs

Web Design: Restricted Electives 18 hrs
   - Complete 18 hours of credits from the following areas:
     - Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

   - 12 Additional hrs of 3000 or 4000 level courses from ART, ARH, 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 (0 hrs)  
- None

6. Capstone Requirements  
- None

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

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- None

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

Advising Notes  
- None

Transfer Notes  
- Grades less than “C” (2.0) are not accepted.
- Courses taken at community colleges 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.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees  
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Digital Media - Visual Language Track (B.A.)

College of Arts and Humanities  
School of Visual Arts and Design  
http://www.dm.ucf.edu  
Dr. Jose Maunez-Cuadra, 407-823-6100

The UCF School of Visual Art and Design 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. Note: Although the School maintains a computer lab for student use, Digital 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  
- None

Degree Requirements  
- UCF 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, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School’s advisor prior to selecting this major, 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: 6 hrs
- Required ARH 2050 History of Western Art I
- Required ARH 2051 History of Western Art II

Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required COP 2500C Concepts in Computer Science 4 hrs
- Required MAC 1105 College Algebra 3 hrs

1 (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (12 hrs)

- Admission to all courses after DIG 2000 is dependent on the student's achieving at least a 'B' (3.0) in DIG 2000.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>Digital Imaging Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3 hrs</td>
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#### 4. Core Requirements: Advanced Level (51 hrs)

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<thead>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>DIG 302A</td>
<td>Digital Cultures &amp; Narrative</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3490C</td>
<td>Computer as a Medium</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Visual Language Core** (15 hrs)

- Course Code | Course Title                                      | Hours |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3951</td>
<td>Visual Language Portfolio Review</td>
<td>0 hrs</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3734C</td>
<td>Intermediate Animation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Visual Language - Basic Concentration** (24 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DIG 3355C</td>
<td>Artificial Environments and Effects</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3433C</td>
<td>Visual Storytelling and Visual Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4206C</td>
<td>New Imagery in Motion Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4399C</td>
<td>Artificial Environments and Effects Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4394C</td>
<td>Motion Graphics: Advanced Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4434C</td>
<td>Narrative Techniques in the Moving Image Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4486C</td>
<td>Visual Language of Moving Image II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (7 hrs)

**Character Animation - Restricted Electives**

- Complete 7 hours from the following areas:
  - ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

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

#### 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, the CLAS and nine hours of Summer credit (if applicable)

**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
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

#### Advising Notes

- None

#### Transfer Notes

- Grades less than “C” (2.0) are not accepted.
- Courses taken at community colleges 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**

**Department of Child, Family and Community Sciences,**

**Education Building, Room: 209**

http://education.ucf.edu/ece/

E-mail: ece@mail.ucf.edu

Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu

Phone: 407-823-4615

EDUCATION: PRE-KINDERTAGEN-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-3) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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 and CLAS requirement (no alternatives or waivers are accepted).
- 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 e-mail (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](http://www.fldoe.org) for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 4235C Seminar Course. 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) - (if CLAS was used for admission) 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-3).
- FTCE Professional Education Test (PED) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)
   - Students are advised to take the preferred courses.
   - **A: Communication Foundations** (9 hrs)
     - Required: ENC 1101 Composition I 3 hrs
     - Required: ENC 1102 Composition II 3 hrs
     - Preferred: SPC 1608 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations** (9 hrs)
     - General Education Program elective from section B2: 3 hrs
       - Prefer: LIT 2110 World Literature I or 3 hrs
       - Prefer: LIT 2120 World Literature II or 3 hrs
       - Prefer: Phil 2010 Introduction to Philosophy or 3 hrs
       - Prefer: REL 2300 World Religions 3 hrs
   - General Education Program elective from section B1 3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1 3 hrs

2. **C: Mathematical Foundations** (6 hrs)
   - **Select 1:** 3 hrs
     - Prefer: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
     - Prefer: STA 2014C Principles of Statistics 3 hrs
   - **Select 1:** 3 hrs
     - Suggested: MGF 1106 Finite Mathematics or 3 hrs
     - Suggested: MGF 1107 Explorations in Mathematics 3 hrs

3. **D: Social Foundations** (6 hrs)
   - Prefer: POS 2041 American National Government 3 hrs
   - Prefer: PSY 2012 General Psychology 3 hrs

4. **E: Science Foundations** (6 hrs)
   - Prefer: PSC 1121 Physical Science 3 hrs

5. **2. Common Program Prerequisites (CPP)** (9 hrs)
   - **Select 1:** 3 hrs
     - Prefer: ANT 2511 The Human Species or 3 hrs
     - Prefer: BSC 1005 Biological Principles 3 hrs

6. **3. Core Requirements: Basic Level** (15 hrs)
   - **Other Program Prerequisites**
     - 1. EDF 2130 Child and Adolescent Development for Educators 3 hrs
     - 1. EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
     - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
   - **Select 1:** 3 hrs
     - Prefer: MAC 1105 College Algebra or 3 hrs
     - MAE 2801 Elementary School Mathematics 4 hrs

   - **Select 1:** 3 hrs
     - Prefer: ARE 2000 Early Childhood Art and Creativity or 3 hrs
     - MUE 2211 Early Childhood Music and Movement 3 hrs
   - 1. Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

7. **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.
UCF Degree Programs

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 EEC 3930C Seminar Course.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester II 15 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

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 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

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.
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Semester IV 12 hrs
- Satisfactory completion of Internship 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.
- EEC 4943 Student Teaching 12 hrs

5. Restricted Electives (0 hrs)
- 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, the CLAS and nine hours of Summer credit (if applicable)

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 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 1105 College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs
Freshman Year - Summer

POS 2041 American National Government 3 hrs

Select 1:
ARE 2000 Early Childhood Art and Creativity 3 hrs
MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall

EME 2040 Introduction to Technology for Educators 3 hrs
SPC 1808 Fundamentals of Oral Communication 3 hrs

Select 1:
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1:
STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs

GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Spring

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
GEP B3 Elective (Prefer AMH 2020) 3 hrs

Junior Year - Fall

EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4601 Early Childhood Education Theory and Practice 3 hrs
EEC 4751 Parent Involvement in Education 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring

EEC 4207 Assessment and Evaluation of Young Children 3 hrs
EEC 4268 Curriculum Activities in Early Childhood 3 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4350 Young Children With Special Needs 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer

Please note: It is strongly recommended to take the Professional Education Test (PdE) 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 4303 Planning Creative Activities in Early Childhood Education 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

Senior Year - Fall

EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
MAE 3300 Math Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Senior Year - Spring

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.oear.ucf.edu/alc/academic_learning_compacts.htm

Early Childhood Development and Education Track

2: Early Childhood Development (B.S.)

College of Education
Department of Child, Family and Community Sciences, Education Complex, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Students in this program will be trained in first aid and CPR and earn a CPR certification. 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 community college or state university.
- Meet the CLAS requirement.
- 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 e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

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

UNIVERSITY OF CENTRAL FLORIDA
## UCF Degree Programs

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

<table>
<thead>
<tr>
<th>General Education Program elective from section B2:</th>
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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)

<table>
<thead>
<tr>
<th>Select 1:</th>
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<td>Prefer</td>
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</table>

Select 1:

| Prefer | STA 1060C Basic Statistics Using Microsoft Excel or |
| Prefer | STA 2014C Principles of Statistics |

### D: Social Foundations  
(6 hrs)

| Prefer | POS 2041 American National Government |
| Prefer | PSY 2012 General Psychology |

### E: Science Foundations  
(6 hrs)

<table>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>Prefer</td>
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<td>Prefer</td>
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</tbody>
</table>

Select 1:

| Prefer | PSC 1121 Physical Science |

### 2. Common Program Prerequisites (CPP)  
(6 hrs)

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

### 3. Core Requirements: Basic Level  
(18 hrs)

| ARP 2000 Early Childhood Art and Creativity |
| MUE 2211 Early Childhood Music and Movement |
| SYG 2010 Social Problems |

Select 1:

| EDF 2130 Child and Adolescent Development for Educators or |
| SOW 3104 Assessing I: Human Development |

Select two electives- Meet with advisor for guidance in selecting electives

### 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

| EEC 3700 Social and Emotional Development of Young Children |
| EEC 4661 Early Childhood Education Theory and Practice |
| EX7 4751 Parent Involvement in Education |
| LIN 3716 Language Development |
| RED 3310 Early Reading, Writing and Language Arts |

| EEC 4207 Assessment and Evaluation of Young Children |
| EEC 4604 Classroom Management and Guidance of Young Children |
| EXS 3450 Young Children With Special Needs |
| LAE 3414 Literature for Children |
| PET 4050C Motor Development and Learning |

### Semester II

| EEC 4303 Planning Creative Activities in Early Childhood Education |
| EEC 4731 Health, Safety, and Nutrition for Young Children |

### Semester III

| EEC 4402 Cultural and Family Systems |
| EEC 4414 Parent-Child Relations |
| EEC 4528 Infant/Toddler Care and Education |

### Select one Early Childhood Development Track  
3 hrs

*Elective*

- Note: Students must consult with their advisor regarding approval for other elective options.

| EEC 4268 Curriculum Activities in Early Childhood or |
| EEC 4524 Organization and Management in Early Childhood |
| EXP 3064 Cognitive Psychology |
| PEO 3041 Games Analysis or |
| PET 3820 Teaching Sports Skills I or |
| PET 4640 Adapted Physical Education or |
| PET 4720 Methods for Physical Activity for Children and Adolescents or |
| SOW 4650 Child Abuse: Treatment and Prevention or |
| SOW 4654 Children’s Services or |
| TSL 4080 Theory and Practice of Teaching ESOL Students in Schools |

### Semester IV

| EEC 4940 Practicum: Early Childhood Development |

### 5. Restricted Electives  
(0 hrs)

- 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120
Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Transfer Notes
■ Courses taken at community colleges 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
Select Elective if needed 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
PSC 1121 Physical Science 3 hrs
PSY 2012 General Psychology 3 hrs
SYG 2010 Social Problems 3 hrs
Select 1: 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II or 3 hrs
PHI 2010 Introduction to Philosophy or 3 hrs
REL 2300 World Religions 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 community colleges may substitute for select courses in the permission of the department.
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs
Select 1: 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs
GEP B1 elective (Prefer AMH 2010) 3 hrs
Select Elective if needed 3 hrs

Sophomore Year - Spring 15 hrs
DEP 2004 Developmental Psychology 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
POS 2041 American Government 3 hrs
GEP B3 elective 3 hrs

Sophomore Year - Summer 6 hrs
■ Note: Student must meet CLAS requirement for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

Junior Year - Fall 15 hrs
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EDC 4661 Early Childhood Education Theory and Practice 3 hrs
EEG 4751 Parent Involvement in Education 3 hrs
LIN 3716 Language Development 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs

Junior Year - Spring 15 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEG 3450 Young Children With Special Needs 3 hrs
LAE 3414 Literature for Children 3 hrs
PET 4050C Motor Development and Learning 3 hrs

Junior Year - Summer 6 hrs
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Senior Year - Fall 12 hrs
EEC 4402 Cultural and Family Systems 3 hrs
EEC 4414 Parent-Child Relations 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs
Select Elective 3 hrs

Senior Year - Spring 12 hrs
EEC 4940 Practicum: Early Childhood Development 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

Economics (B.A.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BAA 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BAA 302N, 407-823-1403
David Scroggin, BAA 302U, 407-823-1405
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.

Several flexible tracks allow students to customize their education to their personal interests and career goals.

These tracks 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.
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)
   Required MAC 1140 Pre-Calculus Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

   1 or Calculus

2. Social Foundations (6 hrs)

   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
   Suggested ECO 2023 Principles of Microeconomics 3 hrs

   Select 1:
   Suggested ANT 2000 General Anthropology or 3 hrs
   Suggested PSY 212 General Psychology or 3 hrs
   Suggested SYG 2000 Introduction to Sociology 3 hrs

3. Core Requirements: Basic Level (0 hrs)
   
4. Core Requirements: Advanced Level (16 hrs)
   ECO 3101 Intermediate Microeconomics 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   ECO 4451 Research Methods in Economics 3 hrs

5. Restricted Electives (18 hrs)
   All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

   Pre-Law Track 18 hrs
   ECO 4303 History of Economic Thought and 3 hrs
   ECO 4751 Law and Economics and 3 hrs
   ECP 4403 Industrial Organization and Game Theory and 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

   Political Economy Track 18 hrs
   ECO 4303 History of Economic Thought and 3 hrs
   ECO 4504 Public Economics and 3 hrs
   ECS 4013 Development Economics and 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor’s approval.

   Private Enterprise Track 18 hrs
   ECO 3223 Money and Banking and 3 hrs
   ECO 3203 Labor Economics and 3 hrs
   ECP 4403 Industrial Organization and Game Theory and 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

   International Track 18 hrs
   ECO 3703 International Microeconomics and 3 hrs
   ECO 4713 International Macroeconomics and 3 hrs
   ECS 4013 Development Economics and 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

   Economics of Governmental Regulation 18 hrs
   ECO 4504 Public Economics and 3 hrs
   ECP 3203 Labor Economics and 3 hrs
   ECP 4303 Environmental and Natural Resource Economics and 3 hrs
   Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

   General Track 18 hrs
   It is possible to have a double track; however, only the first designated track will show on the transcript.
   Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

   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 3703 International Microeconomics 3 hrs
   ECO 4412 Econometrics 3 hrs
   ECO 4504 Public Economics 3 hrs
   ECP 4403 Industrial Organization and Game Theory 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
   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
   Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.
### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I
- MAC 1140 Pre-Calculus Algebra
- SPC 1608 Fundamentals of Oral Communication

#### Freshman Year - Spring
- ECO 2023 Principles of Microeconomics
- ENC 1102 Composition II
- STA 2023 Statistical Methods I

#### Sophomore Year - Fall
- Foreign Language
- ECO 2013 Principles of Macroeconomics
- ECO 3401 Quantitative Business Tools I

#### Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics
- ECO 3303 Intermediate Macroeconomics
- ECO 3411 Quantitative Business Tools II

#### Junior Year - Fall
- ECO Elective
- STA 2023 Statistical Methods I
- ECO Elective

#### Junior Year - Spring
- ECO Elective

#### Senior Year - Fall
- ECO Elective
- STA 2023 Statistical Methods I

#### Senior Year - Spring
- ECO Elective
- STA 2023 Statistical Methods I

### Acceptable Substitutes for Transfer Courses
- University Minimum Exit Requirements
  - None
- Departmental Exit Requirements
  - Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
  - Computer Competency met by Research Methods course.

### University Minimum Exit Requirements
- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Economics - Accelerated Undergraduate-Graduate Program
- Economics, Business

### Certificates
- None

### Related Minors
- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

### 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: $15 per term
- Full-Time Student: $30 per term

### Economics, Business (B.S.B.A.)

#### College of Business Administration

#### Department of Economics, Business Administration II,
Room: 305

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.
Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Select 1: ECO 2013 or PSY 2124
   - B: Cultural & Historical Foundations (9 hrs)
     Required: CGS 2100C
   - C: Mathematical Foundations (6 hrs)
     Required: MAC 1140
   - D: Social Foundations (6 hrs)
     Select 1: ECO 2033 or ECO 2043

2. Common Program Prerequisites (CPP) (21 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 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
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - FIN 3403C Business Finance 3 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   - GEB 3375 Introduction to International Business 4 hrs
   - ISM 3011C Essentials of Management Information Systems 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - MAR 3023 Marketing 4 hrs
   - Select one of the following sequences of courses:
     - Students must receive a “C” (2.0) in MAC 2233 and STA 2023 to be waived from ECO 3401
     - Select 1: ECO 2013 or ECO 2023 Principles of Macroeconomics or Principles of Microeconomics
     - Required: MAC 1140

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (32 hrs)
   - BUL 3130 Legal and Ethical Environment of Business 4 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   - GEB 3375 Introduction to International Business 4 hrs
   - ISM 3011C Essentials of Management Information Systems 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - MAR 3023 Marketing 4 hrs
   - Select any five 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

5. Restricted Electives (15 hrs)
   - All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

   **BUSINESS ECONOMICS TRACK** 15 hrs
   - ECO 3223 Money and Banking 3 hrs
   - ECO 3203 Labor Economics 3 hrs
   - ECO 4403 Industrial Organization and Game Theory 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **INTERNATIONAL TRACK** 15 hrs
   - ECO 3703 International Macroeconomics 3 hrs
   - ECO 4121 Econometrics 3 hrs
   - ECO 4713 International Microeconomics 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **PRE-LAW TRACK** 15 hrs
   - ECO 4751 Law and Economics 3 hrs
   - ECO 4303 Labor Economics 3 hrs
   - ECO 4303 Environmental and Natural Resource Economics 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **FINANCIAL ECONOMICS TRACK** 15 hrs
   - ECO 4504 Public Economics 3 hrs
   - ECO 3203 Labor Economics 3 hrs
   - ECO 4303 Environmental and Natural Resource Economics 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **ECONOMICS OF GOVERNMENTAL REGULATION** 15 hrs
   - ECO 4504 Public Economics 3 hrs
   - ECO 4713 International Macroeconomics 3 hrs
   - ECO 4751 Law and Economics 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **GENERAL TRACK**
   - Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor’s approval.
   - It is possible to have a double track; however, only the first designated track will appear on the transcript.
   - For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
     - ECO 3401 Quantitative Business Tools I 3 hrs
     - ECO 3703 International Microeconomics 3 hrs
     - ECO 4121 Econometrics 3 hrs
     - ECO 4303 Labor Economics 3 hrs
     - ECO 4303 Environmental and Natural Resource Economics 3 hrs
     - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   **For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended**
   - ECO 4140 Mathematical Economics 3 hrs
   - ECO 3703 International Microeconomics 3 hrs
   - ECO 4121 Econometrics 3 hrs
   - ECO 4303 Labor Economics 3 hrs
   - ECO 4303 Environmental and Natural Resource Economics 3 hrs
   - Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

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:
     - FIN 3403C Business Finance 4 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAR 3023 Marketing 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
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule and CLAS 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Economics - Accelerated Undergraduate-Graduate Program

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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
1. ENC 1101  Composition I  3 hrs
2. MAC 1140  Pre-Calculus Algebra  3 hrs
3. SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring
1. CGS 2100  Computer Fundamentals for Business  3 hrs
2. ECO 2023  Principles of Microeconomics  3 hrs
3. ENC 1102  Composition II  3 hrs

Freshman Year - Summer
1. “C” (2.0) or better grade required in each class
2. (Calculus). “C” (2.0) or better grade required in each class

Sophomore Year - Fall
1. ECO 2013  Principles of Macroeconomics  3 hrs
2. ECO 3401  Quantitative Business Tools I  3 hrs

Sophomore Year - Spring
1. ACG 2071  Principles of Managerial Accounting  3 hrs
2. ECO 3310  Intermediate Microeconomics  3 hrs

Junior Year - Fall
1. ECO 3101  Intermediate Macroeconomics  3 hrs
2. ECO 3411  Quantitative Business Tools II  4 hrs
3. GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
4. MAR 3023  Marketing  4 hrs

Junior Year - Spring
1. ECO 3205  Finance Management  3 hrs
2. GEB 3231  Cornerstone: Professional Skills for Business  3 hrs
3. MAN 3025  Management of Organizations  4 hrs

Senior Year - Fall
1. GEB 3375  Introduction to International Business  4 hrs
2. MAN 4720  Strategic Management  4 hrs
3. BUL 3130  Legal and Ethical Environment of Business  3 hrs
4. ECO 4451  Research Methods in Economics  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
Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Economics
See also Mathematics - Mathematical Economics Track

Electrical Engineering (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246

http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- None

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 State University/Community College Systems should complete the hours. Students transferring to UCF from within the Florida State University System should complete 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 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication 3 hrs
- Suggested SPC 1608 Fundamentals of Technical Presentations or 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 2311 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 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics or 3 hrs
- Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- MAC 2311 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 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. 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 (53 hrs)

Courses Required for the Engineering Core (12 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3420 Engineering Analysis 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (41 hrs)
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 3504 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 3 hrs

Select 1:
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3567 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communications, 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
UCF Degree Programs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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

Advisory 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 Community Colleges 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 14 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Freshman Year - Spring 15 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall 17 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3801C Computer Organization 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- GEP- Cultural Foundation 3 hrs

Sophomore Year - Summer 10 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall 14 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 4742C Embedded Systems 4 hrs

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or
- EGN 3398 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring 17 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall 16 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring 13 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 4915L Senior Design II 3 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.oias.ucf.edu/alic/academic_learning_comacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2010-2011

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Elementary Education (B.S.)

College of Education
Department of Teaching and Learning Principles,
ED, Room: 209

http://education.ucf.edu/elemed/
Dr. Karin Williams, kjiwilliams@mail.ucf.edu
Dr. Robert Everett, ED 122M, everett@mail.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 community college or state university.
- 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 ARH 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)
  - Select 1: 3 hrs
    - Suggested MAC 1105 College Algebra or 3 hrs
    - Suggested MGF 1106 Finite Mathematics or 3 hrs
    - Suggested MGF 1107 Explorations in Mathematics 3 hrs
- D: Social Foundations (6 hrs)
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs
- E: Science Foundations (6 hrs)
  - Prefer BSC 1005 Biological Principles 3 hrs
  - Prefer PSC 1121 Physical Science 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
  - 1EDF 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
  - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - 2 MAE 2801 Elementary School Mathematics 4 hrs
  - 1 PET 2001 Wellness, Children and Schools 1 hr

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: * MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Semester I 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
  - 1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - LAE 3414 Literature for Children 3 hrs
  - 1 RED 3012 Basic Foundations of Reading 3 hrs
  - 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester II 15 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
  - LAE 4314 Language Arts in the Elementary School 3 hrs
  - 1 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

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: EDG 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/clincalexpl/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801
  - 1 EDE 3942 Internship I 3 hrs
  - EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
  - MAE 4326 How Children Learn Mathematics 3 hrs
  - RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
**4. 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.)

**5. Restricted Electives**

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**6. Capstone Requirements**

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**7. Foreign Language Requirements**

**Admissions**
- State University System foreign language admission requirement.

**Internship II**
- 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.

**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**
- 12 hrs
  - ARH 2050 History of Western Art I  3 hrs
  - EME 2040 Introduction to Technology for Educators  3 hrs
  - ENC 1101 Composition I  3 hrs
  - MAC 1105 College Algebra  3 hrs

**Freshman Year - Spring**
- 13 hrs
  - EDF 2130 Child and Adolescent Development for Educators  3 hrs
  - ENC 1102 Composition II  3 hrs
  - PSC 1121 Physical Science  3 hrs
  - PSC 1121L Physical Science Lab  1 hr
  - PSY 2012 General Psychology  3 hrs

**Sophomore Year - Fall**
- 15 hrs
  - AMH 2010 U.S. History: 1492-1877  3 hrs
  - BSC 1005 Biological Principles  3 hrs
  - EDF 2065 Introduction to the Teaching Profession  3 hrs
  - MUL 2010 Enjoyment of Music  3 hrs
  - SPC 1608 Fundamentals of Oral Communication  3 hrs

**Sophomore Year - Spring**
- 14 hrs
  - AMH 2020 U.S. History: 1877-Present  3 hrs
  - EDF 2085 Introduction to Diversity for Educators  3 hrs
  - MAE 2501 Elementary School Mathematics  4 hrs
  - PET 2081 Wellness, Children and Schools  1 hr
  - STA 2104C Principles of Statistics  3 hrs

**Junior Year - Fall**
- 15 hrs
  - EDF 4467 Learning Theory and Assessment  3 hrs
  - EDF 4410 Teaching Strategies and Classroom Management  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 Students in Schools  3 hrs

**Junior Year - Spring**
- 15 hrs
  - EEX 4070 Teaching Exceptional Students  3 hrs
  - LAE 4314 Language Arts in the Elementary School  3 hrs
  - RED 4513 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

**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
**UCF Degree Programs**

**Senior Year - Fall**
- EDE 3942 Internship I 3 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

**Senior Year - Spring**
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**English - Creative Writing (B.A.)**

**College of Arts and Humanities**
**Department of English, Colbourn Hall, Room: 405**
**http://english.cah.ucf.edu**
**E-mail: english@mail.ucf.edu**
**Dr. David Wallace**
**Phone: 407-823-2212**

**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 SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

**C: Mathematical Foundations**
- Suggested MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math.

**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
- CRW 3033 Theory & Practice of Creative Writing 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. **Core Requirements: Advanced Level (12 hrs)**
- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

**Select 1:**
- AML 3031 American Literature I or 3 hrs
- AML 3286 Early American Women's Words or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 3640 Native American Literature 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

Select at least one of these post-1865 literature courses.
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

**Select 1:**
- 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 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4253 The Victorian Age: 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 3823 Hispanic Women Writers 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

5. **Restricted Electives (15 hrs)**
- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. **Choose two of the following:** 6 hrs

**Select 2:**
- CRW 3120 Fiction Writing Workshop or 3 hrs
- CRW 3211 Creative Nonfiction Writing or 3 hrs
- CRW 3310 Poetry Writing Workshop or 3 hrs
- CRW 3610 Writing Scripts 3 hrs

b. **Choose two of the following:** 6 hrs

**Select 2:**
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop or 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.
c. Choose one of the following: 3 hrs

Select 1: 3 hrs
CRW 3311 Structure of Verse or 3 hrs
CRW 3540 Literary Magazines or 3 hrs
CRW 3950 Cypress Dome Editorship or 3 hrs
CRW 4014 The Writing Life or 3 hrs
CRW 4114 History of Prose Style or 3 hrs
CRW 4722 Editing for Creative Writers or 3 hrs
CRW 4724 The Florida Review or 3 hrs
any other CRW elective or Special Topics course 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by graduation requirement

Graduation
Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
None

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, the CLAS and nine hours of Summer credit (if applicable)

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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
Successful completion and oral defense of Honors thesis.

Related Programs
English - Literature
English - Technical Communication

Certificates
None

Related Minors
English - Technical Communication
English - Writing
Linguistics

Advising Notes
None

Transfer Notes
Courses taken at community colleges 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 15 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
POS 2041 American National Government 3 hrs

Freshman Year - Spring
CHM 1020 Concepts in Chemistry 3 hrs
ENC 1102 Composition II 3 hrs
LIT 2110 World Literature I 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
1 Restricted Elective 3 hrs
BSC 2055 Biological Principles 3 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring 15 hrs
1 Check restrictions
AML 3031 American Literature I 3 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs
ENL 2012 English Literature I 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
BSC 3041 American Literature II 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
CRW 4224 Advanced Nonfiction Workshop 3 hrs
ENL 2022 English Literature II 3 hrs

Senior Year - Fall 12 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
CRW 4122 Advanced Fiction Writing Workshop 3 hrs
LIN 4105 History of the English Language 3 hrs

Senior Year - Spring 12 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
CRW 3610 Writing Scripts 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
English - Literature (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

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
Prefer SPC 1508 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 on class from 1.B.1 list 3 hrs

C: Mathematical Foundations
1 Required MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math.

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

1 ENC 1101 Composition I GEP
1 ENC 1102 Composition II GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

1 ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or 3 hrs
CRW 3053 Theory & Practice of Creative Writing or 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

■ Literary History Requirement
■ Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
AML 3031 American Literature I or 3 hrs
AML 3286 Early American Women's Words or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
AML 3640 Native American Literature 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
LIN 4374 Literature of the Bible 3 hrs

Select at least two post-1865 literature courses 6 hrs
■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women's Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 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 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age: 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 3823 Hispanic Women Writers 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 3 hrs

5. Restricted Electives (15 hrs)

■ Upper Division Requirements

Choose one single author or major author course: 3 hrs

Select 1: 3 hrs
AML 4300 Major American Authors or 3 hrs
ENL 4303 British Authors 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 4244 World Authors 3 hrs

Choose one linguistics or theory course: 3 hrs

Select 1: 3 hrs
ENG 3010 Practical Criticism or 3 hrs
LIN 3010 Principles of Linguistics or 3 hrs
LIN 4105 History of the English Language or 3 hrs
LIN 4643 Cross Cultural Communication or 3 hrs
LIN 4660 Linguistics and Literature or 3 hrs
LIN 4680 Modern English Grammar or 3 hrs
LIT 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs
■ AML, ENL, or LIT prefix

6. Capstone Requirements
■ None
7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs)
- Successful completion and oral defense of Honors thesis

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- English - Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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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Plan of Study

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
CHM 1020 Concepts in Chemistry 3 hrs
ENC 1102 Composition II 3 hrs
LIT 2110 World Literature I 3 hrs
1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 Any language course at this level is acceptable.

Sophomore Year - Fall
Restricted Elective 3 hrs
BSC 1005 Biological Principles 3 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language course at this level is acceptable.

Sophomore Year - Spring
Restricted Elective 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs
1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

1 Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

Junior Year - Fall
Restricted Elective 3 hrs
Restricted Elective 3 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
ENL 2022 English Literature II 3 hrs
LIN 4105 History of the English Language 3 hrs

Junior Year - Spring
Restricted Elective 3 hrs
Restricted Elective 3 hrs
AML 3011 Literature of the South 3 hrs
ENL 2012 English Literature I 3 hrs
ENL 4333 Shakespeare Studies 3 hrs

Senior Year - Fall
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
AML 4101 American Novel 3 hrs
ENL 4253 The Victorian Age: Poetry 3 hrs

Senior Year - Spring
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 4 hrs
LIT 3383 Women in Literature 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm
English - Technical Communication (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

http://english.cah.ucf.edu

E-mail: english@mail.ucf.edu

Dr. David Wallace

Phone: 407-823-2212

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must earn at least a "C" (2.0) in each required course.

■ Co-op or internship credit cannot be used in this major.

■ Students should consult with a departmental advisor.

■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

Required
ENC 1101 Composition I 3 hrs

Required
ENC 1102 Composition II 3 hrs

Prefer
SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 MGF 1106 Finite Mathematics 3 hrs

Prefer
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute a higher level math course)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

■ 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:

ENC 3241 Writing for the Technical Professional 3 hrs

Select 1:

CRW 3013 Creative Writing for English Majors or 3 hrs

CRW 3053 Theory & Practice of Creative Writing or 3 hrs

ENG 3014 Theories and Techniques of Literature Study 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 3001 American Literature I or 3 hrs

AML 3286 Early American Women’s Words or 3 hrs

AML 3613 Narratives of Slavery or 3 hrs

AML 3640 Native American Literature 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 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 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

AML 4265 Florida Writers or 3 hrs

AML 4321 Modern American Literature or 3 hrs

AML 4630 Latino/Latina Literature or 3 hrs

ENL 2022 English Literature II or 3 hrs

ENL 4101 English Novel or 3 hrs

ENL 4253 The Victorian Age: Poetry or 3 hrs

ENL 4262 Nineteenth Century British Prose or 3 hrs

ENL 4273 Modern British Literature or 3 hrs

LIT 3092 Continental European Fiction Since 1900 or 3 hrs

LIT 3192 Caribbean Literature or 3 hrs

LIT 3823 Hispanic Writers 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 3 hrs

5. Restricted Electives (3 hrs)

Select 1:

ENC 3941 Advanced Expository Writing or 3 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 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.
### 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)

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<tr>
<td>8. Electives</td>
<td>Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.</td>
</tr>
<tr>
<td>9. Additional Requirements</td>
<td>None</td>
</tr>
<tr>
<td>10. Required Minors</td>
<td>None</td>
</tr>
<tr>
<td>11. Departmental Exit Requirements</td>
<td>Maintain a minimum GPA of 2.0 in upper division required courses</td>
</tr>
<tr>
<td></td>
<td>Computer Competency met by completion of the following: ENC 4293 Documentation and the Collaborative Process 3 hrs</td>
</tr>
<tr>
<td>12. University Minimum Exit Requirements</td>
<td>A 2.0 UCF GPA</td>
</tr>
<tr>
<td></td>
<td>60 semester hours earned after CLEP awarded</td>
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<tr>
<td></td>
<td>48 semester hours of upper division credit completed</td>
</tr>
<tr>
<td></td>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
</tr>
<tr>
<td></td>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted</td>
</tr>
<tr>
<td></td>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>120</td>
</tr>
<tr>
<td>Honors In Major</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Application and admission through the English Honors Committee and the Honors College</td>
<td></td>
</tr>
<tr>
<td>Fulfills University requirements for Honors in the Major</td>
<td></td>
</tr>
<tr>
<td>Grade of “B” (3.0) or better in 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours)</td>
<td></td>
</tr>
<tr>
<td>Successful completion and oral defense of Honors thesis</td>
<td></td>
</tr>
<tr>
<td>Related Programs</td>
<td>English - Creative Writing</td>
</tr>
<tr>
<td>English - Literature</td>
<td></td>
</tr>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td>English - Creative Writing</td>
</tr>
<tr>
<td>English - Linguistics</td>
<td></td>
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<tr>
<td>English - Literature</td>
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<tr>
<td>English - Writing</td>
<td></td>
</tr>
<tr>
<td>Advising Notes</td>
<td>None</td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>Courses taken at community colleges do not substitute for Upper Division courses</td>
</tr>
<tr>
<td>Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information</td>
<td></td>
</tr>
<tr>
<td>Acceptable Substitutes for Transfer Courses</td>
<td>ENC 1101 &amp; 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 &amp; 1102 are prerequisites for all subsequent English courses and will need to be taken for the major</td>
</tr>
<tr>
<td>Plan of Study</td>
<td>None</td>
</tr>
</tbody>
</table>

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### English Language Arts Education (B.S.)

**College of Education**

**Department of Teaching and Learning Principles**

Education Building, Room: 209


**E-mail:** jkaplan@mail.ucf.edu

Dr. Jeff Kaplan, ED 122B
Phone: 407-823-2041

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- 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)**

**A: Communication Foundations**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 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
- Required LIT 2110 World Literature I 3 hrs

**C: Mathematical Foundations**

- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations**

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**E: Science Foundations**

- Preferred PSC 1121 Physical Science 3 hrs

**Select 1:** 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.
UCF Degree Programs

3. Core Requirements: Basic Level (12 hrs)
   1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
   ENL 2012 English Literature I 3 hrs
   ENL 2022 English Literature II 3 hrs
   LIT 2110 World Literature I GEP
   LIT 2120 World Literature II 3 hrs

   1 Prerequisite for Internship I.

   Overall for admission to Internship II.
   However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

   Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)

   Education Core Requirements 21 hrs
   1 EDF 4467 Learning Theory and Assessment 3 hrs
   EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   TSL 4240 Issues in Second Language Acquisition 3 hrs

   1 Prerequisite for Internship I.

   Specialization Requirements 21 hrs
   AML 3031 American Literature I 3 hrs
   AML 3041 American Literature II 3 hrs
   CRW 3013 Creative Writing for English Majors 3 hrs
   ENO 3014 Theories and Techniques of Literature Study 3 hrs
   LAE 4404 Survey of Adolescent Literature 3 hrs
   Select 1: 3 hrs
   ENC 3311 Advanced Expository Writing or
   LIN 4106 History of the English Language 3 hrs

   Upper Division Elective with EDF, EDG, LAE, or RED prefix 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 Students in Schools, and LAE 4404 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   • Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   • Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   • 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.
   • Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices.
   • 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.

   LAE 4941 Internship 12 hrs

   5. Restricted Electives (0 hrs)
   None

   6. Capstone Requirements
   None

   7. Foreign Language Requirements

   Admissions
   • State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   Graduation
   None

   8. Electives
   None

   9. Additional Requirements
   None

   10. Required Minors
   None

   11. Departmental Exit Requirements
   • Achieve a minimum 2.5 GPA in all courses within the major.
   • Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
   • Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable) for more recent information.

   12. University Minimum Exit Requirements
   • A 2.0 UCF GPA
   • 60 semester hours earned after CLEP awarded
   • 48 semester hours of upper division credit completed
   • 30 of the last 39 hours of course work must be completed in residency at UCF
   • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   Total Semester Hours Required 120

   Honors In Major
   None

   Related Programs
   None

   Certificates
   None

   Related Minors
   None

   Advising Notes
   Consult with your Education advisor and review your degree audit for more recent information.

   Transfer Notes
   None
Acceptable Substitutes for Transfer Courses

- None

Plan of Study

**Freshman Year - Fall** 12 hrs
- 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** 12 hrs
- EDF 2005 Introduction to Diversity for Educators 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
- EME 2040 Introduction to Technology for Educators 3 hrs
- LIT 2110 World Literature I 3 hrs

**Sophomore Year - Fall** 15 hrs
- AMH 2010 U.S. History: 1492-1877 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 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

**Sophomore Year - Spring** 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- AML 3031 American Literature I 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENL 2012 English Literature I 3 hrs

**Sophomore Year - Summer** 6 hrs
- ENL 2022 English Literature II 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Junior Year - Fall** 15 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Select 1: 3 hrs
- ENC 3311 Advanced Expository Writing or
- LIN 4105 History of the English Language 3 hrs

Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

**Junior Year - Spring** 15 hrs
- AML 3041 American Literature II 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- LAE 4361 Literacy Strategies for Middle and High School Grade 12 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1: 3 hrs
- ENC 3311 Advanced Expository Writing or
- LIN 4105 History of the English Language 3 hrs

**Senior Year - Summer** 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

**Senior Year - Fall** 12 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- LAE 3940 Internship 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4361 Literacy Strategies for Middle and High School 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm

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

Ms. Carol Ann Pohl, cpoohl@mail.ucf.edu
Dr. Andrew Randall, randall@mail.ucf.edu
Phone: 407-823-2841

Admission Requirements
- None

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.

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 State University/Community College Systems 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 ENC 1105 Composition I or ENC 1106 Composition II 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 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Preferred ECO 2013 Principles of Macroeconomics or
  - Preferred ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Preferred GEO 1200 Physical Geography 3 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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Required ENC 1101 Composition I GEP
- Required ENC 1102 Composition II GEP
- Required MAC 2311 Calculus with Analytic Geometry I GEP
- Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Required MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Required MAP 2302 Differential Equations 3 hrs
- Required PHY 2048C Physics for Engineers & Scientists I GEP
- Required PHY 2049C Physics for Engineers & Scientists II 4 hrs
UCF Degree Programs

Select one of the following sequences of courses:
- CHM 2040C Chemistry Fundamentals IA and 3 hrs
- CHM 2041C Chemistry Fundamentals IB 3 hrs

or
- CHM 2045C Chemistry Fundamentals I 4 hrs

or
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 Also satisfy UCF GEP sub-requisites

3. Core Requirements: Basic Level (6 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- Earth Science - GEP
- Biological Science 3 hrs

4. Core Requirements: Advanced Level (51 hrs)

Courses Required for the Major
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111C Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EnvE 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs
- STA 3032 Probability and Statistics for Engineers GEP

5. Restricted Electives (7 hrs)
- Technical electives are available in the BSEnVe program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses

Select 2:
- CGN 4808C Civil Engineering Capstone Design or 3 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4342C Solid Waste Facility Design or 3 hrs
- ENV 4562C Environmental Engineering Systems Design 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
- EnVE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Chemistry
- Civil Engineering
- Construction Engineering

Certificates
- None

Related Minors
- Bioengineering
- Chemistry
- Engineering Leadership
- Environmental Studies
- Mathematics

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 Community Colleges 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 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.
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

Environmental Studies Track
See Interdisciplinary Studies - Environmental Studies Track
Event Management Core 25 hrs
FSS 221C Techniques of Food Preparation 4 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3373 Event Design, Production & Technology 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3523 Event Sales 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)
Complete any six restricted Event Management Electives
HFT 3357 Golf Event Operations or 3 hrs
HFT 3741 Meeting Management or 3 hrs
HFT 3798 Fairs and Festivals or 3 hrs
HFT 3868 History and Culture of Wine or 3 hrs
HFT 4375 Advanced Trade Show Management or 3 hrs
HFT 4561 Destination Marketing or 3 hrs
HFT 4736 Destination Management or 3 hrs
HFT 4754 Exhibit and Trade Show Operations or 3 hrs
HFT 4795 Entertainment Arts and Events or 3 hrs
HFT 4796 International Events 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, the CLAS and nine hours of Summer credit (if applicable)

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 Public Community College 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
CGS 2100C Computer Fundamentals for Business 15 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select one course from the list 3 hrs
ANT 2000 General Anthropology or
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology or

Cult/Historical Foundation Course 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUH 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
WOH 2012 World Civilization I or

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 2750 The Event Industry 3 hrs
MAC 1105 College Algebra 3 hrs

Cultural Foundation Course 3 hrs
AMH 2020 U.S. History: 1877-Present or
EUH 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
WOH 2022 World Civilization II or

Sophomore Year - Fall
HFT 3519 Event Services 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics or

Science Foundation 3 hrs
ANT 2511 The Human Species or
BSC 1005 Biological Principles or
BSC 1050 Biology and Environment or
GEO 1200 Physical Geography or
GLY 1030 Geology and Its Applications or

Sophomore Year - Spring 16 hrs
FSS 221C Techniques of Food Preparation 4 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 3523 Event Sales 3 hrs
HFT 3792 Event Design and Production 3 hrs

Science Foundation II 3 hrs
AST 2002 Astronomy or
CHM 1020 Concepts in Chemistry or
PSC 1121 Physical Science or
### Cultural Foundation Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ARH 2050</td>
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<tr>
<td>FIL 1000</td>
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<tr>
<td>LIT 2110</td>
<td>3 hrs</td>
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<tr>
<td>LIT 2120</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2100</td>
<td>3 hrs</td>
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<td>PHI 2010</td>
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</tr>
<tr>
<td>REL 2300</td>
<td>3 hrs</td>
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<td>THE 2000</td>
<td>3 hrs</td>
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^ Food Preparation for Catered Events 4 credit hours

### Junior Year - Fall

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 2254 Lodging Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3373 Event Design, Production &amp; Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3519 Event Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940 Internship</td>
<td>1 hr</td>
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### Junior Year - Spring

<table>
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<tbody>
<tr>
<td>HFT 3431 Hospitality industry Managerial Accounting</td>
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<tr>
<td>HFT 4941 Internship</td>
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### Event Management Restricted Electives ***See list in catalog for 9hrs

### Senior Year - Fall

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<tbody>
<tr>
<td>HFT 4286 Hospitality Communications</td>
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<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944 Practicum</td>
<td>1 hr</td>
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### Event Management Restricted Elective ***See list in Catalog for 3hrs

### University Free Electives 5 hours

### Senior Year - Spring

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4757 Event Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Event Management Restricted Electives ***See list in catalog for 6hrs

### University Free Electives 6 hours

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alic/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

---

### Exceptional Student Education (B.S.)

**College of Education**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

http://www.education.ucf.edu/

Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu

Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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 seek advising through the Exceptional Education faculty 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.
- Students must earn a “C” (1.75) or better in each required Exceptional Education course.
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites. For FTCE General Knowledge Test (GKT), students must earn a “C” (1.75) or better in each required Exceptional Education course.
- Must take and pass one of the following tests: General Knowledge Test (GKT), Florida Teacher Certification Examination (FTCE), or Florida Teacher Certification Examination (FTCE) for Exceptional Student Education K-12.
- 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
- Select 1: ENC 1103 Composition III 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: AMH 2030 U.S. History: 1877-Present 3 hrs

### C: Mathematical Foundations (6 hrs)

- Select 1: MGF 1106 Finite Mathematics or 3 hrs
- Select 2: MGF 1107 Explorations in Mathematics 3 hrs

### D: Social Foundations (6 hrs)

- Select 1: POS 2041 American National Government 3 hrs
- Select 2: PSY 2012 General Psychology 3 hrs

### E: Science Foundations (6 hrs)

- Select 1: PHY 2120 General Physics 3 hrs
- Select 2: SC 1121 Physical Science 3 hrs

### 2. Common Program Prerequisites (CPP) (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Choose one:
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs

^ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
### UCF Degree Programs

#### 3. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2720</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 2010</td>
<td>Introduction to Special Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 2758</td>
<td>Enhancing Family Involvement in Education</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAE 2801</td>
<td>Elementary School Mathematics</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

#### 4. Core Requirements: Advanced Level (60 hrs)

- Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major's program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

<table>
<thead>
<tr>
<th>Semester I</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
</tr>
</tbody>
</table>

Courses to be taken prior to Internship I

<table>
<thead>
<tr>
<th>Semester II</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
</tr>
<tr>
<td>EEX 4324</td>
<td>Techniques for Exceptional Adolescents - Adults</td>
</tr>
<tr>
<td>LAE 4314</td>
<td>Language Arts in the Elementary School</td>
</tr>
<tr>
<td>RED 4519</td>
<td>Diagnostic and Corrective Reading Strategies</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
</tr>
</tbody>
</table>

Semester III (Summer) 6 hrs

- Please note: It is required to take the Professional Education Test (PEd) portion of the FTCE during Semester II. EDF 4467 Learning Theory and Assessment 3 hrs EEX 4324 Techniques for Exceptional Adolescents-Adults 3 hrs LAE 4314 Language Arts in the Elementary School 3 hrs RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester IV 15 hrs

- 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/

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>

- Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3942</td>
<td>Internship I Exceptional Education</td>
<td>3 hrs</td>
</tr>
<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>RED 4942</td>
<td>Practicum for Assessment and Instruction of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Elementary Level: Methods Content Area 0 hr

<table>
<thead>
<tr>
<th>Course II</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 3414</td>
<td>Literature for Children or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12 or</td>
</tr>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School or Science Instructional Analysis</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School or Social Science Instructional Analysis</td>
</tr>
</tbody>
</table>

#### Secondary Level: Methods Content Area 0 hr

<table>
<thead>
<tr>
<th>Course II</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 3414</td>
<td>Literature for Children or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12 or</td>
</tr>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School or Science Instructional Analysis</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School or Social Science Instructional Analysis</td>
</tr>
</tbody>
</table>

- To enroll in this course, you must be registered for EEX 3942 Internship II.

<table>
<thead>
<tr>
<th>Semester V</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4941</td>
<td>Internship</td>
</tr>
</tbody>
</table>

#### Elementary Level: Methods Content Area 0 hr

<table>
<thead>
<tr>
<th>Course II</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 3414</td>
<td>Literature for Children or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis or Mathematics Instructional Analysis</td>
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<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12 or</td>
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<td>SCE 3310</td>
<td>Teaching Science in Elementary School or Science Instructional Analysis</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School or Social Science Instructional Analysis</td>
</tr>
</tbody>
</table>

#### Secondary Level: Methods Content Area 0 hr

<table>
<thead>
<tr>
<th>Course II</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 3414</td>
<td>Literature for Children or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis or Mathematics Instructional Analysis</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12 or</td>
</tr>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School or Science Instructional Analysis</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School or Social Science Instructional Analysis</td>
</tr>
</tbody>
</table>

5. Restricted Electives (0 hrs)

- 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 LiveText 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, the CLAS and nine hours of Summer credit (if applicable)

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**
- 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**
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs
- ENC 1102: Composition II 3 hrs
- FSC 1121: Physical Science 3 hrs

**Select 1:**
- LIT 2110: World Literature I or 3 hrs
- LIT 2120: World Literature II or 3 hrs
- PHI 2010: Introduction to Philosophy or 3 hrs
- REL 2300: World Religions 3 hrs

**Freshman Year - Summer**
- EME 2040: Introduction to Technology for Educators 3 hrs
- POS 2041: American National Government 3 hrs

**Sophomore Year - Fall**
- AMH 2010: U.S. History: 1492-1877 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

**Select 1:**
- ANT 2511: The Human Species or 3 hrs
- BSC 1005: Biological Principles 3 hrs

**Sophomore Year - Spring**
- AMH 2020: U.S. History: 1877-Present 3 hrs
- EDF 2720: Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEX 2758: Enhancing Family Involvement in Education 2 hrs
- MAE 2801: Elementary School Mathematics 4 hrs

**Sophomore Year - Summer**
- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.
- EEX 2010: Introduction to Special Education 3 hrs

**Junior Year - Fall**
- EDS 4410: Teaching Strategies and Classroom Management 3 hrs
- EEX 3241: Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012: Basic Foundations of Reading 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Junior Year - Spring**
- It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II.
- EDF 4467: Learning Theory and Assessment 3 hrs
- EEX 3243: Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314: Language Arts in the Elementary School 3 hrs
- RED 4519: Diagnostic and Corrective Reading Strategies 3 hrs

**Junior Year - Summer**
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- EEX 3221: Assessment of Exceptional Students 3 hrs
- EEX 4066: Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

**Senior Year - Fall**
- EEX 3942: Internship I Exceptional Education 3 hrs
- EEX 4601: Introduction to Behavior Management 3 hrs
- EEX 4763: Technology for Classroom Teachers of Students with Special Needs 3 hrs
- RED 4942: Practicum for Assessment and Instruction of Reading 3 hrs

**Select Methods Content I**
- Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.
- LAE 3414: Literature for Children or 3 hrs
- LAE 4360: English Instructional Analysis or 3 hrs
- MAE 4326: How Children Learn Mathematics or 3 hrs
- MAE 4360: Mathematics Instructional Analysis or 4 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 or 3 hrs
- SCE 3310: Teaching Science in Elementary School or 3 hrs
- SCE 4360: Science Instructional Analysis or 4 hrs
- SSE 3312: Teaching Social Science in the Elementary School or 3 hrs
- SSE 4361: Social Science Instructional Analysis or 4 hrs

**Senior Year - Spring**
- EEX 4943: Internship II 1 hr
- Select one approved Methods Course 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu

Mr. Steve Schlow, 407-823-2845

Admission Requirements

■ The Film BFA major is a limited access program.
■ Entrance into most Film classes is restricted to majors.
■ Exceptions must be approved by the Department Chair.
■ Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
■ A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
■ A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
■ Students must consult with a departmental advisor each semester.
■ All students are required to pay a fee for equipment insurance.
■ Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

■ See Transfer Notes for possible substitutions.

A: Communication Foundations  (9 hrs)

B: Cultural & Historical Foundations  (9 hrs)
Prefer FIL 2030 History of Motion Pictures 3 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)

1 Prefer MGF 1106 Finite Mathematics 3 hrs

Select one:
Prefer CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math

D: Social Foundations  (6 hrs)

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (3 hrs)

1 FIL 1007 Foundations of Story 3 hrs

1 FIL 2030 History of Motion Pictures GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level  (21 hrs)

■ Lower level core requirements
DIG 2000 Introduction to Digital Media 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 2107 Script Analysis 3 hrs
FIL 2461 Cinematography I 3 hrs
FIL 2490 Directing for Film I 3 hrs
FIL 2481 Directing the Actor for Film I 3 hrs
FIL 2552C Editing I 3 hrs

4. Core Requirements: Advanced Level  (36 hrs)

■ Upper level core requirements
FIL 3037 Film History II 3 hrs
FIL 3115 Short Script I 3 hrs
FIL 3132 Short Script II 3 hrs
FIL 3427C Introduction to Film Production 3 hrs
FIL 3534 Sound Design for Film I 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL 3922 Film Colloquium 1 hr
FIL 4486C Directing for Film II 3 hrs
FIL 4647 Film Production Management 3 hrs
FIL 4661 The Film Producer 3 hrs

1 Six semesters of colloquium required at 1 hour each.

5. Restricted Electives  (12 hrs)

■ Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor's prior approval.

Production/Direction
DIG 4704 Interactive Entertainment 3 hrs
FIL 3363C Film Documentary 3 hrs
FIL 4451 Design for Film 3 hrs
FIL 4472C Cinematography II 3 hrs
FIL 4487 Directing for Film III 3 hrs
FIL 4535C Sound Design for Film II 3 hrs
FIL 4536 Sound Design III 3 hrs
FIL 4566C Editing II 3 hrs

Screen Writing
FIL 4103 Adaptation 3 hrs
FIL 4113C Interactive Writing I 3 hrs
FIL 4114C Interactive Writing II 3 hrs
FIL 4126C Genre Writing 3 hrs
FIL 4162C Feature/TV Writing I 3 hrs
FIL 4163C Feature/TV Writing II 3 hrs
FIL 4906 Directed Independent Study 1 hr

Cinema Studies
FIL 3051 Avant-Garde Cinema 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 3820 Italian Film 3 hrs
FIL 3822 French Film 3 hrs
FIL 3823 German Film 3 hrs
FIL 3824 Italian Neo-Realist Cinema 3 hrs
FIL 3826 American Cinema 3 hrs
FIL 3831 Black Cinema 3 hrs
FIL 3841 French New Wave Cinema 3 hrs
FIL 3847 Latin American Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
FIL 3880C Images of Women in Film 3 hrs
FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema
ART 2823 Art as Interface 3 hrs
ART 3618C Post-Production Design 3 hrs
COP 3502C Computer Science I 3 hrs
DIG 3134 Media Software Design 3 hrs
DIG 3136C Digital Imagery 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
DIG 4855 Converging Media Capstone 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
MUC 3311 MIDI Sequencing II 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 in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of a “B” (3.0) or better in major courses.
- Department of Film requires an exit interview.

Computer Competency met by one of the following:
- CGS 1060C Introduction to Computer Science 3 hrs
- FIL 2552C Editing I or 3 hrs
- STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film - Cinema Studies Track
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 1007 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 2030 History of Motion Pictures 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 3803C 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 2552C 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

Senior Year - Fall
FIL 4434C Capstone I 3 hrs
FIL XXXX - Elective
FIL XXXX - Elective

Senior Year - Spring
FIL 4573C 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Select: 3 hrs
  - Prefer FIL 2030 History of Motion Pictures 3 hrs
  - Prefer one course from I.B.1 list 3 hrs
  - Prefer one course from I.B.1 or I.B.2 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from I.B.1 list 3 hrs
- Prefer one course from I.B.1 or I.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer MGF 1106 Finite Mathematics 3 hrs
- Select 2: 3 hrs
  - Prefer CGS 1060C Introduction to Computer Science 3 hrs
- Select 3: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
- Select: 3 hrs
  - Prefer FIL 3006 Art of the Cinema 3 hrs
  - Prefer FIL 3036 Film History I 3 hrs
  - Prefer FIL 3051 Avant-Garde Cinema 3 hrs
  - Prefer FIL 3383C Film Documentary 3 hrs
  - Prefer FIL 3462C Cinematic Expression 3 hrs
  - Prefer FIL 3803C Film Theory and Criticism I 3 hrs
  - Prefer FIL 3804C Film Theory and Criticism II 3 hrs
  - Prefer FIL 3826 American Cinema 3 hrs
  - Prefer FIL 3845 World Cinema Traditions 3 hrs
  - Prefer FIL 4661 The Film Producer 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- Select: 3 hrs
  - Prefer FIL 3102 Writing for Film and TV or FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used
  - DIG 4704 Interactive Entertainment 3 hrs
  - DIG 4855 Converging Media Capstone 3 hrs
  - FIL 3041 History of Animated Films I 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3842 International Cinema 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3850 Cinema Directors 3 hrs
  - FIL 3852 Cinema Criticism Writing 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 3880C Images of Women in Film 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

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 Computer Science 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs
  - STA 1060C 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None
### Related Programs
- Art
- English - Creative Writing
- Film
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

### Certificates
- None

### Related Minors
- Art - Studio
- English - Creative Writing
- Music
- Theatre

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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 1009 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
- 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 4661 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 3051 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

### 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 courses within the major.
- A maximum of three credit hours on 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 should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) 36 hrs
   A: Communication Foundations 9 hrs
B: Cultural & Historical Foundations (9 hrs)
  Prefer FIL 2030 History of Motion Pictures 3 hrs
  Prefer one course from 1.B.1 list 3 hrs
  Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

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

Select 1:
  Prefer CGS 1060C Introduction to Computer Science or 3 hrs
  Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
  See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (18 hrs)
  DIG 2000 Introduction to Digital Media 3 hrs
  FIL 1009 Cinematic Expression for Majors 3 hrs
  FIL 2107 Script Analysis 3 hrs
  FIL 2461 Cinematography I 3 hrs
  FIL 2480 Directing for Film I 3 hrs
  FIL 2552C Editing I 3 hrs
  FIL 3036 Film History I 3 hrs
  FIL 3115 Short Script I 3 hrs
  FIL 3304C Documentary Vision 3 hrs
  FIL 3307 Docudrama 3 hrs
  FIL 3383C Film Documentary 3 hrs
  FIL 3427C Introduction to Film Production 3 hrs
  FIL 3534 Sound Design for Film I 3 hrs
  FIL 3803C Film Theory and Criticism I 3 hrs
  FIL 3845 World Cinema Traditions 3 hrs
  FIL 4301C Documentary Workshop I 3 hrs
  FIL 4302C Documentary Workshop II 3 hrs
  FIL 4602 Film Business 3 hrs
  FIL 4647 Film Production Management 3 hrs

4. Core Requirements: Advanced Level (39 hrs)
  FIL 3036 Film History I 3 hrs
  FIL 3115 Short Script I 3 hrs
  FIL 3304C Documentary Vision 3 hrs
  FIL 3383C Film Documentary 3 hrs
  FIL 3427C Introduction to Film Production 3 hrs
  FIL 3534 Sound Design for Film I 3 hrs
  FIL 3803C Film Theory and Criticism I 3 hrs
  FIL 3845 World Cinema Traditions 3 hrs
  FIL 4301C Documentary Workshop I 3 hrs
  FIL 4302C Documentary Workshop II 3 hrs
  FIL 4602 Film Business 3 hrs
  FIL 4647 Film Production Management 3 hrs

5. Restricted Electives (9 hrs)
  Select 3: 9 hrs
  Additional courses may be acceptable. Consult your advisor.
  FIL 3804C Film Theory and Criticism II or 3 hrs
  FIL 3847 Latin American Cinema or 3 hrs
  FIL 4661 The Film Producer or 3 hrs
  FIL 4808 Images and Text in Context or 3 hrs
  FIL 4844 Africana Cinema 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 in a foreign language taught by the Department of Foreign 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
  A student must maintain an overall average of “B” (3.0) or better in courses within the major.
  Department of Film requires a passing grade on an exit 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
  120

Honors in Major
  None

Related Programs
  Art
  Digital Media
  English - Creative Writing
  Film
  Film - Cinema Studies Track
  Music
  Radio - Television
  Theatre

Certificates
  None

Related Minors
  African American Studies
  Asian Studies
  Digital Media
  English - Creative Writing
  Film - Cinema Studies
  International and Global Studies
  Latin American Area Studies
  Women’s Studies

Advising Notes
  None

Transfer Notes
  Courses taken at community colleges 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
  None
## Finance (B.S.B.A.)
### College of Business Administration

**Department of Finance, Business Administration I, Room: 409**


Phone: 407-823-3575

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

### Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- 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 qualify for 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 must earn at least a 2.0 GPA in the major and CBA.
- 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

### UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations (6 hrs)</td>
</tr>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business 3 hrs</td>
</tr>
<tr>
<td>Required MAC 1140 Pre-Calculus Algebra 3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations (6 hrs)</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Suggested ECO 2013 Principles of Macroeconomics or 3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2023 Principles of Microeconomics 3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Suggested ANT 2000 General Anthropology or 3 hrs</td>
</tr>
<tr>
<td>Suggested PSY 2012 General Psychology or 3 hrs</td>
</tr>
<tr>
<td>Suggested SYG 2000 Introduction to Sociology 3 hrs</td>
</tr>
</tbody>
</table>

### Core Requirements: Basic Level (32 hrs)

#### 1. Required in 1st or 2nd semester.

#### 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

#### 3. Core Requirements: Basic Level (32 hrs)

#### 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:
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management or 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:
- ACG 3131 Financial Accounting Concepts and Analysis or 3 hrs
- ACG 3141 Intermediate Financial Accounting II or 3 hrs
- ACG 3361 Cost Accounting I or 3 hrs
- ECO 4412 Econometrics or 3 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 or 3 hrs
- FIN 4903H Honors Directed Reading I or 1 hr
- FIN 4906 Directed Independent Study or 1 hr
- FIN 4941 Finance Internship or 3 hrs
- FIN 4970H Undergraduate Honors Thesis or 1 hr
- GEB 4374 International Negotiations and Transactions or 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- REE 3043 Fundamentals of Real Estate or 3 hrs
- REE 3433 Real Estate Law or 3 hrs
- REE 4103 Real Estate Appraisal and Valuation or 3 hrs
- REE 4203 Commercial Real Estate Finance or 3 hrs

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UCF Degree Programs

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Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

RE 4204  Residential Real Estate Finance or  3 hrs
RE 4303  Real Estate Investment Analysis or  3 hrs
RE 4732  Real Estate Development or  3 hrs
RE 4933  Advanced Topics in Real Estate or  3 hrs
TAX 4001  Taxation of Business Entities and Transactions  3 hrs

1 Must be in the UCF Honors in the Major Program. See 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:
   FIN 3403C Business Finance 4 hrs
   GEB 3031  Cornerstone: Professional Skills for Business 3 hrs
   MAN 3025  Management of Organizations 4 hrs
   MAR 3023  Marketing 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
   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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   None

Certificates
   Finance: Banking
   Finance: Corporate Finance
   Finance: Investments

Related Minors
   None

Advising Notes
   Florida Public Community College 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
   - Courses taken at community colleges 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
   None

Plan of Study
   - Must complete nine hours in a summer semester
   - General electives as required to reach 120 semester hours.
The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
   ENC 1101  Composition I  3 hrs
   MAC 1105  College Algebra  3 hrs
   SPC 1608  Fundamentals of Oral Communication  3 hrs
   Cult-Hist I Elective  3 hrs

Freshman Year - Spring 15 hrs
   CGS 2100C  Computer Fundamentals for Business  3 hrs
   ENC 1102  Composition II  3 hrs
   Cult-Hist II Elective  3 hrs
   Art/Music/Lit Elective  3 hrs

Sophomore Year - Fall 15 hrs
   ACG 2021  Principles of Financial Accounting  3 hrs
   ECO 2013  Principles of Macroeconomics  3 hrs
   Science  3 hrs
   Psy/Ant/Soc Elective  3 hrs

Sophomore Year - Spring 15 hrs
   ACG 2071  Principles of Managerial Accounting  3 hrs
   ECO 2023  Principles of Microeconomics  3 hrs
   ECO 3401  Quantitative Business Tools I  3 hrs
   Science  3 hrs
   Elective  3 hrs

Junior Year - Fall 16 hrs
   FIN 3403C Business Finance  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 17 hrs
   ECO 3411  Quantitative Business Tools II  4 hrs
   FIN 3303  Financial Markets  3 hrs
   FIN 3414  Intermediate Corporate Finance  3 hrs
   FIN 3504  Investment Analysis  3 hrs
   MAN 3025  Management of Organizations  4 hrs

Senior Year - Fall 14 hrs
   BUL 3130  Legal and Ethical Environment of Business  4 hrs
   ISM 3011C Essentials of Management Information Systems  4 hrs
   FIN Elective  3 hrs
   FIN Elective  3 hrs
**Foreign Language Education - French (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles, Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Phone: 407-823-5235

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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 Prerequisite 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 1010 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)

- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 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 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:**

- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

**2. Common Program Prerequisites (CPP) (9 hrs)**

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

  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - EDF 2086 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 (6 hrs)**

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs

**4. Core Requirements: Advanced Level (69 hrs)**

**Education Core Requirements** 18 hrs

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Specialization Requirements** 33 hrs

- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs

Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1 Required prior to Internship I.
2 Community College 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](http://www.clinicalexperiences.education.ucf.edu).

**FLE 3940 Internship** 3 hrs

**Specialization Requirements** 33 hrs

- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs

Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1 Required prior to Internship I.
2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.
# UCF Degree Programs

## Other Cognate Requirements (Linguistics)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3780</td>
<td>French Phonetics and Diction</td>
<td>3</td>
</tr>
</tbody>
</table>

## Internship II
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (French 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.education.ucf.edu/clinicalexp/](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.
- Complete a portfolio according to program guidelines. This requirement applies to those students admitted to the University without the required two units of foreign language in high school.

## Graduation
- None

## Electives
- None

## Additional Requirements
- None

## Required Minors
- None

## 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.

## University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required
- 120

## Honors in Major
- None

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### 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**
- 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**
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

**Freshman Year - Summer**
- EME 2040 Introduction to Technology for Educators 3 hrs

**Sophomore Year - Fall**
- AMH 2010 U.S. History: 1492-1877 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**
- STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Principles of Statistics 3 hrs

**Sophomore Year - Spring**
- AMH 2020 U.S. History: 1877-Present 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Select 1:**
- ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

**Sophomore Year - Summer**
- TSL 4080 Theory and Practice of Teaching ESOL in Students in Schools 3 hrs

**Junior Year - Fall**
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs

**Junior Year - Spring**
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
### Foreign Language Education - Spanish (B.S.)

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

**E-mail:** kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu,

407-823-5430

Phone: 407-823-5235

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**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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 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)*

   - **A: Communication Foundations** *(9 hrs)*
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Select 1: SPC 1608 Fundamentals of Oral Communication 3 hrs
     - Select 2: MGF 1106 Finite Mathematics 3 hrs

2. **Education Core Requirements** *(18 hrs)*

3. **Core Requirements: Basic Level** *(6 hrs)*

4. **Core Requirements: Advanced Level** *(69 hrs)*

---

**Internship I** *(3 hrs)*

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- 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).

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**Select 1:**

- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2120 General Psychology 3 hrs

**Select 2:**

- Prefer ANT 2511 The Human Species or ANTH 1030 Introduction to Anthropology 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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**Foreign Language Education - Spanish (B.S.)**

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**Select 1:**

- Prefer FLE 2010 Tour of Spain 3 hrs
- Prefer FLE 3940 Internship 3 hrs
- Prefer FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

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1. This course may be taken in the Fall of the senior year with consent of instructor.

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**1** Required prior to Internship I

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**2** Community College transfer students may substitute EEX 2010 Introduction to Foreign Languages and Cultures or its equivalent, i.e. an AA degree from an approved Florida community college, for the foreign language requirement.
UCF Degree Programs

**Specialization Requirements**  
27 hrs

1. **FLE 4314**  
   Foreign Language Teaching in Elementary Schools  
   3 hrs

2. **FLE 4333**  
   Foreign Language Teaching in the Secondary School  
   3 hrs

3. **SPN 3300**  
   Advanced Spanish Grammar and Composition  
   3 hrs

4. **SPN 3344**  
   Advanced Spanish Native Fluency I  
   3 hrs

5. **SPN 3345**  
   Advanced Spanish Native Fluency II  
   3 hrs

6. **SPN 3420**  
   Spanish Composition  
   3 hrs

7. **SPN 3760**  
   Advanced Spanish Oral Communication  
   3 hrs

8. **SPW 3100**  
   Survey of Spanish Literature I  
   3 hrs

9. **SPW 3101**  
   Survey of Spanish Literature II  
   3 hrs

1. Required prior to Internship I  
2. **SPW 3130** and **SPW 3131** may substitute for **SPW 3100** and **SPW 3101**.

**Upper Division Restricted Electives**  
6 hrs

- Community college transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) or
  6 hrs with advisor’s consent. The following courses are recommended:
  
  - **SPN 4410**  
    Advanced Spanish Conversation  
    3 hrs

  - **SPN 4421**  
    Advanced Spanish Composition  
    3 hrs

  - **SPN 4510**  
    Spanish Civilization and Culture  
    3 hrs

  - **SPN 4520**  
    Latin American Civilization and Culture  
    3 hrs

**Other Cognate Requirements**  
3 hrs

Select 1:  

- **SPN 3852**  
  Bilinguismo or  
  3 hrs

- **SPN 4800**  
  Spanish-American Syntax or  
  3 hrs

- **SPN 4801**  
  Spanish Morphosyntax  
  3 hrs

**Internship II Block**  
12 hrs

- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing 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.
- 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.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable).

**5. Restricted Electives**  
(0 hrs)

- None

**6. Capstone Electives**

- 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, the CLAS and nine hours of Summer credit (if applicable)

**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  
- **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**  
12 hrs  
- **EDF 2085**  
  Introduction to Diversity for Educators  
  3 hrs

- **ENC 1102**  
  Composition II  
  3 hrs

- **POS 2041**  
  American National Government  
  3 hrs

- **PSC 1121**  
  Physical Science  
  3 hrs

**Freshman Year - Summer**  
3 hrs  
- **EME 2040**  
  Introduction to Technology for Educators  
  3 hrs

**Sophomore Year - Fall**  
15 hrs  
- **AMH 2010**  
  U.S. History: 1492-1877  
  3 hrs

- **EDF 2130**  
  Child and Adolescent Development for Educators  
  3 hrs

- **EEK 4242**  
  Teaching Exceptional Students in Secondary Settings  
  3 hrs

- **SPC 1608**  
  Fundamentals of Oral Communication  
  3 hrs

**Select 1:**  
3 hrs  
- **STA 1060C**  
  Basic Statistics Using Microsoft Excel or  
  3 hrs

- **STA 2014C**  
  Principles of Statistics  
  3 hrs

1. Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Spring**  
12 hrs  
- **AMH 2020**  
  U.S. History: 1877-Present  
  3 hrs

- **PHI 2010**  
  Introduction to Philosophy  
  3 hrs

- **SPS 3234**  
  Advanced Directed Readings  
  3 hrs
### Forensic Science - Analysis Track (B.S.)

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 306A**

**http://chemistry.cos.ucf.edu/**

**E-mail:** chemistry@ucf.edu

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522

**Phone:** 407-823-2246

**Admission Requirements**

- 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_comacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm)

### 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 selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (39 hrs)

- **Note:** Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
</tr>
<tr>
<td>Required PHY 2049C Physics for Engineers &amp; Scientists I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PHY 2049C Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>Required SPC 1603 Fundamentals of Technical Presentations</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (16 hrs)

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

**Required**

<table>
<thead>
<tr>
<th>BSC 2010C Biology I</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</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>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Note:** These courses are considered to be equivalents:

<table>
<thead>
<tr>
<th>CHM 2045C Chemistry Fundamentals I</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C Chemistry Fundamentals IA and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041C Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (18 hrs)

**Core Science and Math Requirements**

<table>
<thead>
<tr>
<th>BSC 2010C Biology I</th>
<th>GEP/CPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3120 Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>CPP</td>
</tr>
<tr>
<td>PCB 3063 Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233 Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>CPP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>
UCF Degree Programs

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs

- CHS 3501 Introduction to Forensic Science 3 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs

- CHM 3422 Applied Physical Chemistry 3 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHS 3511C Trace Evidence 4 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)

Select 12 hours from the following:

- Note: Substitutions require prior approval by the department.
- ANT 4521C Forensic Anthropology 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- CHS 4547C Advanced Topics in Trace Analysis 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.

Computer Competency met by

- CHS 3505C Forensic Microscopy 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs

- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 124

Honors In Major

- None

Related Programs

- Chemistry
- Forensic Science - Biochemistry Track

Certificates

- None

Related Minors

- Chemistry

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges 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://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs

- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 15 hrs

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHS 3501 Introduction to Forensic Science 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall 16 hrs

- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 14 hrs

- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall 14 hrs

- Free Elective 1 hr
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063 Genetics 3 hrs
Junior Year - Spring 14 hrs
GEP 3 hrs
Restricted Elective 3 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs

Senior Year - Fall 16 hrs
GEP 3 hrs
Free Elective 1 hr
Free Elective 1 hr
CHM 3422 Applied Physical Chemistry 3 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
PCB 3233 Immunology 3 hrs

Senior Year - Spring 16 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
CHS 3511C Trace Evidence 4 hrs

Senior Year - Summer 4 hrs
CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Forensic Science - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- A 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 selected to complete categories 4 and 5 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
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
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
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I
PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2045C Chemistry Fundamentals IA 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (20 hrs)

Core Science and Mathematics Requirements
BSC 2010C Biology I 4 hrs
MAC 2311 Organic Chemistry I 3 hrs
MAC 2312 Organic Chemistry II 3 hrs
MAC 2312L Organic Chemistry Laboratory 1 hr
MAC 2311L Calculus with Analytic Geometry I 3 hrs
MAC 2312L Calculus with Analytic Geometry II 4 hrs
MAC 2312L Calculus with Analytic Geometry II 4 hrs

PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 2023 Statistical Methods I 3 hrs

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 4103 Biochemical Methods 2 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
CHS 4534C Forensic Biochemistry II 3 hrs
MCH 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs

5. Restricted Electives (3 hrs)
Any course approved by the Forensic Program advisor. 3 hrs

6. Capstone Requirements
- None

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
http://chemistry.cos.ucf.edu/
Graduation

None

8. Electives

Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Course Requirements

None

11. Departmental Exit Requirements

Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

Before applying to graduate, the CLAS must be completely satisfied.

Computer Competency met by the following:

CHS 3505C  Forensic Microscopy  4 hrs
CHS 4533L  Forensic Laboratory Quality Assurance  2 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

124

Honors In Major

None

Related Programs

Chemistry
Forensic Science - Analysis Track
Molecular Biology and Microbiology

Certificates

None

Related Minors

Chemistry
Molecular Biology and Microbiology

Advising Notes

None

Transfer Notes

Lower Division courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

CHM 2045C: may use CHM X040 plus CHM X041.

Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.

Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/

Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

BSC 2010C  Biology I  4 hrs
CHM 2046C  Chemistry Fundamentals I  4 hrs
ENC 1101 Composition I  3 hrs
MAC 2311 Calculus with Analytic Geometry I  4 hrs

Freshman Year - Spring

CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  1 hr
CHS 3501 Introduction to Forensic Science  3 hrs
MAC 2312 Calculus with Analytic Geometry II  4 hrs
PHY 2048C Physics for Engineers & Scientists I  4 hrs

Sophomore Year - Fall

GEP

Chm 2210 Organic Chemistry I  3 hrs
PHY 2049C Physics for Engineers and Scientists II  4 hrs
SFC 1603 Fundamentals of Technical Presentations  3 hrs
STA 2023 Statistical Methods I  3 hrs

Sophomore Year - Spring

16 hrs

GEP

GEP

CHM 2211 Organic Chemistry II  3 hrs
CHM 2211L Organic Laboratory Techniques I  2 hrs
MCB 3020C General Microbiology  5 hrs

Junior Year - Fall

14 hrs

Restricted Elective  3 hrs
Free Elective  1 hr
CHS 3505C Forensic Microscopy  4 hrs
CHS 4533L Forensic Laboratory Quality Assurance  2 hrs
PCB 3063 Genetics  3 hrs
PCB 3063L Genetics Laboratory  1 hr

Junior Year - Spring

13 hrs

GEP  3 hrs

CHM 3120 Analytical Chemistry  3 hrs
CHM 3120L Analytical Chemistry Laboratory  1 hr
CHS 3595 Forensic Science in the Courtroom  3 hrs
ENC 1102 Composition II  3 hrs

Senior Year - Fall

16 hrs

BCH 4053 Biochemistry I  3 hrs
CHS 3533 Biochemistry II  2 hrs
CHS 3530L Biochemistry I Laboratory  1 hr
PCB 3233 Immunology  3 hrs
PCB 3233L Immunology Laboratory  1 hr
PCB 3232 Molecular Biology I  3 hrs
PCB 4524 Molecular Biology II  3 hrs

Senior Year - Spring

15 hrs

GEP  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

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.oea.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $45 per term
Full-Time Student: $90 per term
French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472
Placements 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 level French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
36 credits in French must be taken at the 3000 level or above.
At least six of the 36 French credits must be at the 4000 level.
At least 30 hours must be taken in Modern Language courses taught in French.
Earn at least a "C" (2.0) in each upper division French course.
Departmental Residency 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)
1 Required: MGF 1106 - Finite Mathematics
Prefer: STA 1060C - Basic Statistics Using Microsoft Excel (3 hrs)
1 (may substitute a higher level math)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1 FRE 1120C - Elementary French Language and Civilization I (4 hrs)
1 FRE 1121C - Elementary French Language and Civilization II (4 hrs)
1 FRE 2200 - Intermediate French Language and Civilization I (3 hrs)
1 FRE 2201 - Intermediate French Language and Civilization II (3 hrs)
1 *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level (0 hrs)
None

4. Core Requirements: Advanced Level (21 hrs)
FCL 3730 - Romance Philology (3 hrs)
1 FRE 3300 - French Grammar (3 hrs)
1 FRE 3780 - French Phonetics and Diction (3 hrs)
FRW 3100 - Survey of French Literature I (3 hrs)
Select 1: 3 hrs
1 FRE 3420 - French Composition or
FRE 4422 - Advanced French Composition (3 hrs)
Select 1: 3 hrs
1 FRE 3760 - Advanced French Oral Communication or
FRE 4421 - Advanced French Conversation (3 hrs)
Select 1: 3 hrs
FRW 3301L - Survey of French Literature II or
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
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 Computer Science (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 residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors in Major
None

Related Programs
Modern Language Combination
Spanish
UCF Degree Programs

Certificates

- None

Related Minors

- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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/

E-mail: 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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- 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
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ECO 2013 Principles of Macroeconomics or 3 hrs
  - Required ECO 2023 Principles of Microeconomics 3 hrs

- Select 1:
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students 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
  - or
  - MAC 2233 Concepts of Calculus and 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)

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 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business and 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business and 1 hr
- GEB 3375 Introduction to International Business and 4 hrs
- ISM 3011C Essentials of Management Information Systems and 4 hrs
- MAN 3025 Management of Organizations and 4 hrs
- MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.

Second Level Core 15 hrs

- Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing.
- These five courses are restricted to the courses listed below:

Finance 3 hrs
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs
Management
GEB 3113 How to Start a Business or 3 hrs
MAN 3301 Management of Human Resources or 3 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs
Management Information Systems 3 hrs
ISM 3253 MIS Techniques or 4 hrs
ISM 4153C Enterprise Information Systems or 3 hrs
ISM 4154 Enterprise Application Development 3 hrs
Marketing
MAR 3403 Sales Force Management or 3 hrs
MAR 3613 Marketing Analysis and Research or 3 hrs
MAR 4156 International Marketing or 3 hrs
MAR 4841 Services Marketing 3 hrs
Economics
ECO 4703 is required. The other two courses are restricted electives only. With permission of an Economics advisor, 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 written approval.
ECO 3223 Money and Banking and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4703 Managerial Economics 3 hrs

5. Restricted Electives (9 hrs)
- Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

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:
FIN 3403C Business Finance 4 hrs
GBE 3031 Cornerstone: Professional Skills for Business 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 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
- 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.

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, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required 120
UCF Degree Programs

Health Informatics and Information Management (B.S.)
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/bshim.cfm
Ms. Alice M. Noblin, anoblin@mail.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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (7 hrs)

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 (0 hrs)
   None

4. Core Requirements: Advanced Level (66 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 4226C Coding Procedures I 5 hrs
   HIM 4256C Coding Procedures II 3 hrs
   HIM 4344C Health Information Department Management 4 hrs
   HIM 4508C Quality Management 3 hrs
   HIM 4656C Health Information Management Systems 3 hrs
   HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   HIM 4816C Professional Practice Experience II 3 hrs
   HIM 4838 Management Affiliation 5 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 3147 Introduction to Pharmacology 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 4555 Pathophysiologic Mechanisms 3 hrs
   HSC 4652 Health Law and Ethics 3 hrs

Select 1: 3 hrs
   HSA 4180 Organization & Management for Health Agencies I or
   MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives (0 hrs)
   None

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Degree Programs

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Senior Year - Fall
- 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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

General Business - A.S. to B.S. Track (B.S.B.A.)

NOTE: For detailed information, see description of this program in the Statewide Articulated A.S. to B.S. Programs section.
### University of Central Florida

#### UCF Degree Programs

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Admissions**
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

### Related Programs
- Business Administration
- Computer Science
- Health Services Administration

### Certificates
- None

### Related Minors
- Business
- Computer Science
- Health Services Administration

### Advising Notes
- None

### Transfer Notes
- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC 2085 and 2086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2024C or any other statistics course)
  - Computer Science for Business (CGS 2100C)
  
### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- CHM 1032 General Chemistry 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105 College Algebra 3 hrs

#### Freshman Year - Spring
- BSC 1010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- STA 2045C Principles of Statistics 3 hrs

**Select 1:**
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

#### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

#### Sophomore Year - Fall
- ACG 2021 Principles of Managerial Accounting 3 hrs
- CHM 1441 Principles of Chemistry II or 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Medical Terminology 3 hrs
- HSA 4180 Organization & Management for Health Agencies I or 3 hrs

**Select 1:**
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECB 2010 Principles of Financial Accounting 3 hrs
- ECO 2021 Principles of Managerial Accounting 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1110 Introduction to the Allied Health Professions 3 hrs

**Select 1:**
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

#### Junior Year - Fall
- HSA 4180 Organization & Management for Health Agencies I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Select 1:**
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs

### Junior Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CHM 1441 Principles of Chemistry II or 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Medical Terminology 3 hrs

**Select 1:**
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

#### Senior Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECB 2010 Principles of Managerial Accounting 3 hrs
- ECO 2021 Principles of Managerial Accounting 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

**Select 1:**
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs

**Select 1:**
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

### Transfer Notes
- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC 2085 and 2086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2024C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
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<tbody>
<tr>
<td>CHM 1032 General Chemistry</td>
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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>HSC 2000 Introduction to the Allied Health Professions</td>
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<tr>
<td>MAC 1105 College Algebra</td>
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<td>BSC 2010C Biology I</td>
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<tr>
<td>ENC 1102 Composition II</td>
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<td>STA 2045C Principles of Statistics</td>
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<tbody>
<tr>
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</tr>
<tr>
<td>EUH 2000 Western Civilization I or</td>
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</tr>
<tr>
<td>HUM 2210 Humanistic Tradition I</td>
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<thead>
<tr>
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<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
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<tr>
<td>ACG 2021 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 1441 Principles of Chemistry II or</td>
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<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
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<tbody>
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</tr>
<tr>
<td>EUH 2001 Western Civilization II or</td>
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<tr>
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<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
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<tr>
<td>ECB 2010 Principles of Managerial Accounting</td>
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<tr>
<td>ECO 2021 Principles of Managerial Accounting</td>
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<tr>
<td>ARH 2051 History of Western Art II or</td>
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<td>LIT 2110 World Literature I or</td>
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<td>LIT 2120 World Literature II or</td>
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<tr>
<td>MUL 2010 Enjoyment of Music or</td>
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<tr>
<td>PHI 2010 Introduction to Philosophy or</td>
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<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2230 Humanistic Tradition II</td>
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<tr>
<td>HIM 3006 Foundations of Health Information Management (HIM)</td>
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<td>1 HSA 4191 Health Care Automation</td>
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<tr>
<td>1 HSC 5357 Medical Terminology</td>
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</tr>
<tr>
<td>1 HSC 4555 Pathophysiologic Mechanisms</td>
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</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.
Senior Year - Spring

HIM 4676  Professional Development and Issues in Health Information Management  3 hrs
HIM 4816C  Professional Practice Experience II  3 hrs
1 HSA 3170  Health Care Finance  3 hrs
1 HSA 4702  Health Sciences Research Methods  3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer

HIM 4838  Management Affiliation  5 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15.00 per term
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 203
http://www.coehpa.ucf.edu/health.pro/hsgbs.cfm
TBD

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students in this program must plan to attend graduate school after graduation. Students with this preparation could also pursue graduate programs in Health Care Informatics, Public Health, Environmental Health or Health Services Administration.

Admission Requirements

- None

Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a "C" (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)
- No transfer course will be accepted with a grade lower than a "C."
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.
- Students should consult with a college advisor each semester.

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)

Select 1:
Required: MUL 2101  Enjoyment of Music or 3 hrs
Required: PHI 2010  Introduction to Philosophy or 3 hrs
Required: REL 2300  World Religions or 3 hrs
Required: THE 2000  Theatre Survey 3 hrs

C: Mathematical Foundations (6 hrs)

Required: MAC 1105  College Algebra 3 hrs

Select 1:
Required: STA 2014C  Principles of Statistics or 3 hrs
Required: STA 2203  Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Required: PSY 2121  General Psychology 3 hrs

Select 1:
Required: ECO 2013  Principles of Macroeconomics or 3 hrs
Required: ECO 2023  Principles of Microeconomics 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) (0 hrs)

BSC 2010C  Biology I  GEP
MAC 1114  College Trigonometry 3 hrs
PSY 2121  General Psychology  GEP

Select 1:
Required: STA 2014C  Principles of Statistics or 3 hrs
Required: STA 2203  Statistical Methods I  GEP

Select 1:
Required: ECO 2013  Principles of Macroeconomics or 3 hrs
Required: ECO 2023  Principles of Microeconomics  GEP

3. Core Requirements: Basic Level (32 hrs)

CHM 2046  Chemistry Fundamentals I  GEP 4 hrs
CHM 2046L  Chemistry Fundamentals Laboratory 1 hr
CHM 2205  Introduction to Organic and Biochemistry 5 hrs
DEP 2004  Developmental Psychology 3 hrs
HSC 2000  Introduction to the Allied Health Professions 2 hrs
HUN 2002  Modern Concepts in Nutrition 3 hrs
MCB 2004C  Microbiology for Health Professionals 4 hrs
PSY 2121  General Psychology  GEP 3 hrs

Select 1:
Required: CGS 1010C  Introduction to Computer Science or 3 hrs
Required: CGS 2100C  Computer Fundamentals for Business 3 hrs

4. Core Requirements: Advanced Level (29 hrs)

Basic and Health Sciences 14 hrs
HSC 3147  Introduction to Pharmacology 3 hrs
HSC 4555  Pathophysiologic Mechanisms 3 hrs
PCB 3703C  Human Physiology 4 hrs
ZOO 3733C  Human Anatomy 4 hrs
Health Services 15 hrs
HIM 4508C  Quality Management 3 hrs
HSA 3111  U.S. Health Care Systems 3 hrs
HSA 4702  Health Services Research Methods 3 hrs
HSC 4550  Epidemiology 3 hrs
HSC 4652  Health Law and Ethics 3 hrs

5. Restricted Electives (21 hrs)

A minimum of 7 courses from the list below:

- 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 science classes.

BCH 4053  Biochemistry I 3 hrs
HSA 3430  Health Care Economics 3 hrs
HSA 4180  Organization & Management for Health 3 hrs
HSA 4206  Human Behavior 3 hrs
HSC 3110  Medical Self Assessment 3 hrs
Rule, the CLAS and nine hours of Summer credit (if applicable)

CLEP, Credit by Exam, and Armed Forces credits permitted.

residency at UCF

ing Intent to Graduate form online.

courses from the Health Sciences Pre-Clinical major to obtain
formance for admission.

ote that graduate programs may require a higher level of per-
elective (see sections 3 through 5  above).  Students should

course,  in each core requirement course, and in each restricted

admission requirements for

Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to

8. Electives

Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are pre-requisites for specific graduate clinical programs of inter-

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

Students must take a minimum of 30 hours of upper-division courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

Students are required to have a personal interview after filing Intent to Graduate form online.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

Interested students should consult with a faculty advisor

Related Programs

The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options:

Health Informatics and Information Management

Health Services Administration

This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant.

Students should consult a pre-professional advisor before making application to a graduate program.

Certificates

None

Related Minors

Biology

Chemistry

Health Informatics and Information Management

Health Services Administration

Molecular Biology and Microbiology

Advising Notes

None

Transfer Notes

Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).

Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.

Acceptable Substitutes for Transfer Courses

None

Plan of Study

Freshman Year - Fall

CHM 2045C  Chemistry Fundamentals I  4 hrs
ENC 1101  Composition I  3 hrs
MAC 1105  College Algebra  3 hrs

Select 1:

HSC 3211  Preventive Health Care  3 hrs
HSC 3537  Medical Terminology  3 hrs
HSC 3593  HIV Disease: A Human Concern  3 hrs
HSC 4158  Medical Pharmacology I  3 hrs
HSC 4159  Medical Pharmacology II  2 hrs
HSC 4564  Health Care Needs of the Elderly  3 hrs
MCS 3203  Pathogenic Microbiology  3 hrs
MCS 3203L  Pathogenic Microbiology  1 hr
MCS 4503C  Virology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3063L  Genetics Laboratory  1 hr
PCB 3233  Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 4805  Endocrinology  3 hrs
PET 3620  Principles of Athletic Training  3 hrs
PET 3633C  Clinical Skills for Athletic Training I  2 hrs
PET 3649C  Clinical Skills for Athletic Training II  2 hrs
PET 4606  Applied Fitness in Sport  3 hrs
ZOO 3744  Neurobiology  3 hrs
ZOO 4605  Human Clinical Embryology and Congenital Malformation  3 hrs
ZOO 4704C  Clinical Neuroanatomy and Neuroscience  4 hrs

Total Semester Hours Required

15 hrs

Freshman Year - Spring

CHM 2045C  Chemistry Fundamentals I  4 hrs
ENC 1101  Composition I  3 hrs
MAC 1105  College Algebra  3 hrs

Select 1:

HSC 3211  Preventive Health Care  3 hrs
HSC 3537  Medical Terminology  3 hrs
HSC 3593  HIV Disease: A Human Concern  3 hrs
HSC 4158  Medical Pharmacology I  3 hrs
HSC 4159  Medical Pharmacology II  2 hrs
HSC 4564  Health Care Needs of the Elderly  3 hrs
MCS 3203  Pathogenic Microbiology  3 hrs
MCS 3203L  Pathogenic Microbiology  1 hr
MCS 4503C  Virology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3063L  Genetics Laboratory  1 hr
PCB 3233  Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 4805  Endocrinology  3 hrs
PET 3620  Principles of Athletic Training  3 hrs
PET 3633C  Clinical Skills for Athletic Training I  2 hrs
PET 3649C  Clinical Skills for Athletic Training II  2 hrs
PET 4606  Applied Fitness in Sport  3 hrs
ZOO 3744  Neurobiology  3 hrs
ZOO 4605  Human Clinical Embryology and Congenital Malformation  3 hrs
ZOO 4704C  Clinical Neuroanatomy and Neuroscience  4 hrs

Total Semester Hours Required

14 hrs

Take all of the following:

CHM 2046  Chemistry Fundamentals II and  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Freshman Year - Summer

MAC 1114  College Trigonometry  3 hrs

Total Semester Hours Required

3 hrs
### Sophomore Year - Fall

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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**Select 1:**
- AMH 2010  U.S. History: 1492-1877 or
- EUH 2000  Western Civilization I or
- HUM 2210  Humanistic Tradition I or

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<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
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**Select 1:**
- MUL 2100  Enjoyment of Music or
- PHI 2100  Introduction to Philosophy or
- REL 2300  World Religions or
- THE 2000  Theatre Survey

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<td>STA 2014C</td>
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<tr>
<td>STA 2023</td>
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### Sophomore Year - Spring

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<td>Microbiology for Health Professionals</td>
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<td>PHY 2054C</td>
<td>College Physics II</td>
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**Select 1:**
- MUL 2100  Enjoyment of Music or
- PHI 2100  Introduction to Philosophy or
- REL 2300  World Religions or
- THE 2000  Theatre Survey

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<th>Course Title</th>
<th>Credits</th>
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<tr>
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<td>Principles of Macroeconomics or</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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### Sophomore Year - Summer

- If not satisfied in high school:
  - Foreign Language 4 hrs
  - Foreign Language 4 hrs

### Junior Year - Fall

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>Restricted</td>
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<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
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</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
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### Junior Year - Spring

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tr>
<td>Restricted</td>
<td>Elective</td>
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</tr>
<tr>
<td>CHM 2205</td>
<td>Introduction to Organic and Biochemistry</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
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<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
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### Senior Year - Fall

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>Restricted</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiologic Mechanisms</td>
<td>3 hrs</td>
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### Senior Year - Spring

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>3 hrs</td>
</tr>
<tr>
<td>Restricted</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</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.oes.ucf.edu/alc/academic_learning_compacts.htm

### Health Services Administration (B.S.)

**College of Health and Public Affairs**

Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

http://www.cohipa.ucf.edu/hmi/

E-mail: hsainfo@mail.ucf.edu

Dr. Kendall Cortelyou-Ward, 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://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, 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 Public University/Community College 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 Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

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

   **A: Communication Foundations** (9 hrs)
   - Prefer SPC 1608  Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Suggested MAC 1105  College Algebra 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Suggested CGS 1060C  Introduction to Computer Science or
   - Suggested CGS 2100C  Computer Fundamentals for Business 3 hrs

   **Select 1:**
   - Suggested ECO 2023  Principles of Microeconomics 3 hrs

2. **Common Program Prerequisites (CPP)** (9 hrs)

   - Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   **D: Social Foundations** (6 hrs)
   - Suggested ECO 2023  Principles of Microeconomics 3 hrs

   **Select 1:**
   - Prefer PSY 2122  General Psychology or 3 hrs
   - Prefer SYG 2000  Introduction to Sociology 3 hrs

3. **E: Science Foundations** (6 hrs)

   **Select 1:**
   - CGS 1060C  Introduction to Computer Science or 0 hr
   - CGS 2100C  Computer Fundamentals for Business 0 hr
3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (48 hrs)
   - Students must earn a "C" (2.0) or better in each Core Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3430</td>
<td>Health Care Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4184</td>
<td>Organization &amp; Management for Health Agencies II</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4941</td>
<td>Internship</td>
<td>3 hrs</td>
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<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements (3 hrs)
   - HSA 4939  Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Electives
   - Students are encouraged to select with their advisor additional Health Services 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
   - None

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor.

---

Related Programs
- Health Informatics and Information Management
- Public Administration

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.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

**Freshman Year - Fall**
- Free Elective 3 hrs
- ENC 1101  Composition I 3 hrs
- HSC 2000  Introduction to the Allied Health Professions 2 hrs
- MAC 1105  College Algebra 3 hrs

**Select 1:**
- PSY 2012  General Psychology or 3 hrs
- SYG 2000  Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- ENC 1102  Composition II 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs

**Select 1:**
- CHM 1020  Concepts in Chemistry or 3 hrs
- PSC 1121  Physical Science 3 hrs

**Select 1:**
- MUL 2010  Enjoyment of Music or 3 hrs
- PHI 2010  Introduction to Philosophy or 3 hrs
- REL 2300  World Religions or 3 hrs
- THE 2000  Theatre Survey 3 hrs

**Sophomore Year - Fall**
- ACG 2021  Principles of Financial Accounting 3 hrs
- BSC 1005  Biological Principles 3 hrs
- CGS 2100C  Computer Fundamentals for Business 3 hrs
- ECO 2023  Principles of Microeconomics 3 hrs

**Select 1:**
- AMH 2010  U.S. History: 1492-1877 or 3 hrs
- EHU 2000  Western Civilization I or 3 hrs
- HUM 2210  Humanistic Tradition I or 3 hrs
- WOH 2012  World Civilization I 3 hrs

**Sophomore Year - Spring**
- Elective / Minor 3 hrs
- ACG 2071  Principles of Managerial Accounting 3 hrs
- STA 2023  Statistical Methods I 3 hrs

**Select 1:**
- AMH 2020  U.S. History: 1877-Present or 3 hrs
- EHU 2001  Western Civilization II or 3 hrs
- HUM 2230  Humanistic Tradition II or 3 hrs
- WOH 2022  World Civilization II 3 hrs
## UCF History Department

### History (B.A.)

**College of Arts and Humanities**

**Department of History, Colbourn Hall, Room: 551**

[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**E-mail:** history@mail.ucf.edu

Dr. Rosalind J. Beiler

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

- **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

### 3. Core Requirements: Basic Level

- **Select one of the following sequences of courses:**
  - **Select one sequence**
    - **EHU 2000** Western Civilization I 3 hrs
    - **EHU 2001** Western Civilization II 3 hrs
  - **or**
    - **WOH 2012** World Civilization I and 3 hrs
    - **WOH 2022** World 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

- **Select six hours of approved history courses**
  - **Select three hours of approved history courses**
    - **HIS 4150** History and Historians 3 hrs

### 5. Restricted Electives

- **Select six hours of approved history courses**
  - **Select three hours of approved history courses**
    - **HIS 4150** History and Historians 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 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.**
UCF Degree Programs

- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women's Studies

Advising Notes
- None

Transfer Notes
- Grades below "C" (2.0) are not accepted.
- Courses taken at community colleges 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

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs

Freshman Year - Spring
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2020  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition II  3 hrs

Sophomore Year - Fall
- GEP 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Sophomore Year - Spring
- 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- HIS 4150  History and Historians  3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- 15 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

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: 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
   Required  MAC 1105  College Algebra  3 hrs
   Select 1: 3 hrs
   Required  CGS 2100C  Computer Fundamentals for Business or
   Required  STA 2023  Statistical Methods I  3 hrs
D: Social Foundations
   Select 1: 3 hrs
   Required  ECO 2103  Principles of Macroeconomics or
   Required  ECO 2023  Principles of Microeconomics  3 hrs
## UCF Degree Programs

### Select 1:
- 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) (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 2212C  Techniques of Food Preparation 4 hrs
- HFT 2220  Hospitality Human Resources Management 3 hrs
- HFT 2401  Hospitality Industry Financial Accounting 3 hrs
- HFT 2500  Hospitality and Tourism Marketing 3 hrs
- HFT 3431  Hospitality Industry Managerial Accounting 3 hrs
- HFT 3444  Hospitality Information Systems 3 hrs
- HFT 3540  Guest Services Management I 3 hrs
- HFT 3603  Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 4286  Hospitality Communications 3 hrs
- HFT 4295  Leadership and Strategic Management in Hospitality Industry 3 hrs
- HFT 4464  Hospitality Industry Finance 3 hrs

**Quantitative Tools**
- MAC 1105  College Algebra  GEP

**Select 1:**
- CGS 2100C  Computer Fundamentals for Business or 0 hr  GEP
- STA 2023  Statistical Methods I  GEP

**Select 1:**
- ECO 2013  Principles of Macroeconomics or 0 hr  GEP
- ECO 2023  Principles of Microeconomics  GEP

### 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 2750  The Event Industry or 3 hrs
  - HFT 3263  Restaurant Management or 3 hrs
  - HFT 3273  Principles of Resort Timesharing or 3 hrs
  - HFT 3700  Tourism Management or 3 hrs
  - HFT 4277  Yacht, Country, And City Club Management or 3 hrs
  - HFT 4755  Theme Park and Attraction Management 3 hrs

**Internships**
- HFT 3940  Internship 1 hr
- HFT 4941  Internship 1 hr
- HFT 4944  Practicum 1 hr

### 5. Restricted Electives (15 hrs)
- Students should select one of the following track options to fulfill their restricted electives requirement

#### Restricted Electives
- (15 hrs)
  - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
  - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

**Or**

#### Specialized Tracks
- (15 hrs)
  - 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 Management Track (15 hrs)
- HFT 3784  Amusement Technology or 3 hrs
- HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4614  Risk Management in Theme Parks and Attractions 3 hrs
- HFT 4758  Contemporary Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4759  Product Development 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 1350  Career & Promotional Development in Golf or 3 hrs
- HFT 1356  Concepts and Practices of Golf Associations or 3 hrs
- HFT 2359  Design & Maintenance of Golf Equipment or 3 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 Event Operations or 3 hrs
- HFT 3384  Golf and Club Enterprises Management or 3 hrs
- HFT 4358  Golf Course Facility Design 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

### 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

### 9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None
### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Students should take advantage of both.

### 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 Public Community College 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
- ENC 1101 Composition I
- 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry
- 3 hrs

#### Select 1:
- 3 hrs
- CGS 2100C Computer Fundamentals for Business or
- STA 2023 Statistical Methods I
- 3 hrs

#### Freshman Year - Spring
- 15 hrs
- ANT 2511 The Human Species
- 3 hrs
- ENC 1102 Composition II
- 3 hrs
- HFT 2500 Hospitality and Tourism Marketing
- 3 hrs
- MAC 1105 College Algebra
- 3 hrs
- SYG 2000 Introduction to Sociology
- 3 hrs

#### Sophomore Year - Fall
- 15 hrs
- AST 2002 Astronomy
- 3 hrs
- HFT 2220 Hospitality Human Resources Management
- 3 hrs

#### Select 1:
- 3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics
- 3 hrs

#### Sophomore Year - Spring
- 13 hrs
- ANT 2511 The Human Species
- 3 hrs
- FSS 2221C Techniques of Food Preparation
- 4 hrs
- HFT 2401 Hospitality Industry Financial Accounting
- 3 hrs
- HFT 3444 Hospitality Information Systems
- 3 hrs

#### Junior Year - Fall
- 14 hrs
- HFT 3431 Hospitality Industry Managerial Accounting
- 3 hrs
- HFT 3540 Guest Services Management I
- 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry
- 3 hrs
- HFT 3940 Internship
- 1 hr

### Select 1:
- 3 hrs
- PHI 2010 Introduction to Philosophy
- 3 hrs
- Suggested REL 2300 World Religions
- 3 hrs

### Senior Year - Fall
- 15 hrs
- HFT 4295 Leadership and Strategic Management in the Hospitality Industry
- 1 hr

### Senior Year - Spring
- 15 hrs
- HFT 4944 Practicum
- 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/aic/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Hospitality Management - A.S. to B.S. Track (B.S.)
- None

## Humanities (B.A.)

### 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 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)

#### B: Cultural & Historical Foundations
- (9 hrs)

### Admission Requirements
- None

### Certificate Outcomes
- None

### Related Minors
- None

### Advising Notes
- None

### Orientation and Advising
- Two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### UCF Degree Programs

### College of Arts and Humanities

#### Department of Philosophy, Psychology Building, Room: 220

#### E-mail: philosophy@mail.ucf.edu

#### Phone: 407-823-2273

#### None

### Humanities (B.A.)

#### College of Arts and Humanities

#### Department of Philosophy, Psychology Building, Room: 220

#### E-mail: philosophy@mail.ucf.edu

#### Phone: 407-823-2273

#### None
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
- HUM 2020 Encounter the Humanities 3 hrs
- HUM 2210 Humanistic Tradition I GEP
- HUM 2220 Humanistic Tradition II GEP
- 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

Western Traditions and Applications (9 hrs)
- ARH 4170 Greek & Roman Art or 3 hrs
- ARH 4310 Italian Renaissance Art or 3 hrs
- CLT 3570 Classical Mythology or 3 hrs
- CLT 3578 Comparative Mythology or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 The Jewish People I 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
- REL 3432 Roots of Western Mysticism 3 hrs

World Intellectual Traditions (6 hrs)
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3790 African Philosophy or 3 hrs
- PHP 3781 African-American Philosophy or 3 hrs
- REL 3340 Buddhist Thought 3 hrs

Foundations
- HUM 4301 The Classical Ideal 3 hrs

Select 2:
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Multicultural Humanities

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
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 The Jewish People I or 3 hrs
- PHI 3790 African Philosophy or 3 hrs
- PHP 3123 Feminist Theories 3 hrs

Foundations
- HUM 3320 Contemporary Multicultural Studies 3 hrs

Select 1:
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Select 1:
- HUM 3252 Contemporary Humanities or 3 hrs
- HUM 3255 Modern Humanities 3 hrs

Critical Humanities

Foundations
- HUM 3252 Contemporary Humanities and 9 hrs
- HUM 3255 Modern Humanities and 3 hrs
- PHI 4804 Critical Theory 3 hrs

Traditions and Applications
- HUM 3394 Representations of Place and Space or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHI 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
- PHP 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 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:
- HUM 4303 The Spiritual Ideal or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3900 Aesthetics or 3 hrs
- Or other courses as approved by advisor 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 4933 Senior Research Seminar 3 hrs
HUM 4970H Undergraduate Honors Thesis  1 hr
STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

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
- Religious Studies

Certificates

- None

Related Minors

- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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

Foreign Language  4 hrs
ENC 1101 Composition I  3 hrs
HUM 2200 Exploring the Humanities  3 hrs
HUM 2210 Humanistic Tradition I  3 hrs
MGF 1106 Finite Mathematics  3 hrs

Freshman Year - Spring

Foreign Language  4 hrs
ENC 1102 Composition II  3 hrs
HUM 2230 Humanistic Tradition II  3 hrs
STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

Select 1:

- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions  3 hrs

Sophomore Year - Fall

GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Restricted Elective  3 hrs

Sophomore Year - Spring

GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Fall

Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Spring

Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Fall

Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Spring

Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  4 hrs
HUM 4933 Senior Research Seminar  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

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans, 407-823-2273
Dr. Shelley Park (Cocoa Campus), 321-433-7919

Admission Requirements

- None
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2210 Humanistic Tradition I
- Suggested HUM 2230 Humanistic Tradition II

Select 1: (3 hrs)
- Suggested PHI 2010 Introduction to Philosophy
- Suggested REL 2300 World Religions

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (0 hrs)
- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- PHI 2010 Introduction to Philosophy

4. Core Requirements: Advanced Level (18 hrs)

Core Requirements

Theoretical Foundations (6 hrs)
- PHI 3684 Ways of Living and 3 hrs
- PHI 4341 Ways of Knowing 3 hrs

Philosophy (6 hrs)
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHP 3766 Existentialism 3 hrs

Religion (6 hrs)
- CLT 3517 Comparative Mythology or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies (12 hrs)

Contemporary Media (6 hrs)
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4556 Religion and the Arts 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 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life (6 hrs)
- ANT 3302 Sex, Gender and Culture or 3 hrs
- HUM 3325 Contemporary Humanities or 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3629 Family Values or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3683 Philosophy of Friendship or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3020 Philosophy of Love or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- REL 3131 Religion in America 3 hrs

5. Restricted Electives (0 hrs)

- None

6. Capstone Requirements (3 hrs)
- HUM 4933 Senior Research Seminar

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 in 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 4933 Senior Research Seminar
  - HUM 4970H Undergraduate Honors Thesis
  - STA 1060C Basic Statistics Using Microsoft Excel

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
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 1 hr
     - HUM 4970H Undergraduate Honors Thesis 1 hr

  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
     - Earn a "B" (3.0) or better in both of the following:
       - 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.
     - HUM 4903H Honors Directed Reading I 1 hr
     - HUM 4970H Undergraduate Honors Thesis 1 hr

Related Programs

- Humanities
- Philosophy

Certificates

- None

Related Minors

- Humanities
- Philosophy
- Religious Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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

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, wthompson@mail.ucf.edu
Phone: 407-823-2204

Admission Requirements

- None

Degree Requirements

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

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 State University/Community College Systems 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 1603 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 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (9 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2023 Principles of Macroeconomics or 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 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.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   1 MAC 2311 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 Differential Equations 3 hrs
   1 PHY 2048C Physics for Engineers & Scientists I GEP
   1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

   Select 1: 4 hrs
   1 CHM 2045C Fundamentals of Chemistry I or 4 hrs
   1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

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

   1 A 2.0 cumulative GPA or better is required for this course.
4. Core Requirements: Advanced Level (58 hrs)

Engineering Core: Advanced 15 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

Select 1: 3 hrs
- EGN 3343 Thermodynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs
- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in each course listed.
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
- EIN 3314C Work Measurement & Design 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364C Industrial Facilities Planning and Design 3 hrs
- EIN 4391C Manufacturing Engineering 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523C Systems Simulation 3 hrs
- ESI 4528C Industrial Engineering Applications of Computers 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (5 hrs)
- Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- EIN 4656C Systems Analysis and Design 3 hrs
- EIN 4691C Industrial Engineering Senior Design Project 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, the CLAS and nine hours of Summer credit (if applicable)

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership

Advising Notes
- None

Transfer Notes
- Courses taken from Community Colleges 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 area 5. Approved Technical Electives.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 1006C Introduction to the Engineering Profession 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 12 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Freshman Year - Summer 6 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall 13 hrs
- EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 15 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EIN 4423C Human Engineering 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- MAP 2302 Differential Equations 3 hrs
- Select 1: 3 hrs
- SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Summer 8 hrs
- GEP 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
Junior Year - Fall
- EIN 3314C Work Measurement & Design 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4391C Manufacturing Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523C Industrial Engineering Applications of Computers 3 hrs

Junior Year - Spring
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364C Industrial Facilities Planning and Design 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4523C Systems Simulation 3 hrs

Select 1:
- EGN 3343 Thermodynamics or 3 hrs
- EGN 3588 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Summer
- GEP 3 hrs
- GEP 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 4516C Systems Analysis and Design 3 hrs
- ESI 4292 Quality Engineering 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- EIN 4891C Industrial Engineering Senior Design Project 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

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

Information Technology (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji, HEC 245D
Charlee Hilton-Brown, HEC 245F
Phone: 407-823-2767

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 School of Computer Science 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:
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 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
   Select 1:
   - Recommended MAC 1105 College Algebra or 3 hrs
   - Recommended 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.
   - CCS 2545C Database Concepts 3 hrs
   - COP 3223 Introduction to Programming with C 3 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - ECO 2013 Principles of Macroeconomics GEP 3 hrs
   - MAC 1114 College Trigonometry 3 hrs
   - PHY 2053C College Physics I GEP 3 hrs
   - STA 2023 Statistical Methods I GEP 3 hrs

Select 1:
- Required ENC 3241 Writing for the Technical Professional 3 hrs
- Required ENC 3211 Theory and Practice of Technical Writing 3 hrs
- Required ENC 4265 Writing for the Computer Industry 3 hrs
- Required ENC 4293 Writing and Hypertext or 3 hrs
- Required ENC 4414 Writing and Hypertext 3 hrs
- Required ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (51 hrs)
   - A "C" (2.0) or better is required in all these courses.
   Core Requirements 45 hrs
   - CAP 4104 Human and Technology Interaction 3 hrs
   - CGS 3269 Computer Architecture Concepts 3 hrs
   - CGS 3763 Operating System Concepts 3 hrs
   - CIS 3003 Fundamentals of Information Technology 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - CIS 4004 Web-Based Information Technology 3 hrs
   - CIS 4313 Managing IT Integration 3 hrs
   - CNT 3004 Computer Network Concepts 3 hrs
   - CNT 4603 System Administration and Maintenance 3 hrs
   - CNT 4703C Design and Implementation of Computer Networks 3 hrs
   - CNT 4714 Enterprise Computing 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 4910 Frontiers in Information Technology 3 hrs
   - EEL 3041 Circuit Analysis 3 hrs
   - PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Support Courses 6 hrs
- A "C" (2.0) or better is required in all these courses.
   Select 1:
   - Recommended ENC 3211 Theory and Practice of Technical Writing 3 hrs
   - Recommended ENC 3241 Writing for the Technical Professional 3 hrs
   - Recommended 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
UCF Degree Programs

7. Foreign Language Requirements
   - Admissions
     - None
   - 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
    - Computer competency met by completion of major

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science

Certificates
- None

Related Minors
- Computer Science
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 12 hrs
- COP 3223  Introduction to Programming with C 3 hrs
- ENC 1101  Composition I 3 hrs
- SPC 1603  Fundamentals of Technical Presentations 3 hrs
- Select 1: 3 hrs
- MAC 1105  College Algebra or 3 hrs
- MAC 1140  Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 15 hrs
- COP 3502C  Computer Science I 3 hrs
- ECO 2013  Principles of Macroeconomics 3 hrs
- ENC 1102  Composition II 3 hrs
- MAC 1114  College Trigonometry 3 hrs
- PSY 2012  General Psychology 3 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CIS 3003  Fundamentals of Information Technology 3 hrs
- COP 3330  Object Oriented Programming 3 hrs
- MAD 2104  Foundations of Discrete Math 3 hrs
- PHY 2053C  College Physics I 4 hrs

Sophomore Year - Spring 15 hrs
- GEP 6 hrs
- CGS 2545C  Database Concepts 3 hrs
- CGS 3269  Computer Architecture Concepts 3 hrs
- STA 2023  Statistical Methods I 3 hrs

Junior Year - Fall 15 hrs
- CAP 4104  Human and Technology Interaction 3 hrs
- CIS 3360  Security in Computing 3 hrs
- CNT 3004  Computer Network Concepts 3 hrs
- EEL 3041  Circuit Analysis 3 hrs
- Select 1: 3 hrs
- ENC 3211  Theory and Practice of Technical Writing or 3 hrs
- ENC 3241  Writing for the Technical Professional or 3 hrs
- ENC 3250  Professional Writing 3 hrs

Junior Year - Spring 15 hrs
- GEP 3 hrs
- CGS 3763  Operating System Concepts 3 hrs
- CIS 4313  Managing IT Integration 3 hrs
- PHI 3626  Advanced Ethics in Science and Technology 3 hrs
- Select 1: 3 hrs
- ENC 4265  Writing for the Computer Industry or 3 hrs
- ENC 4293  Documentation and the Collaborative Process or 3 hrs
- ENC 4414  Writing and HyperText or 3 hrs
- ENC 4415  Digital Rhetorics and The Modern Dialectic 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- CIS 4004  Web-Based Information Technology 3 hrs
- CNT 4603  System Administration and Maintenance 3 hrs
- CNT 4703C  Design and Implementation of Computer Communication Networks 3 hrs

Senior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Free Elective 5 hrs
- CNT 4714  Enterprise Computing 3 hrs
- COP 4910  Frontiers in Information Technology 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学术学习紧凑项目.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 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
E-mail: is@mail.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, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
■ Co-op credit cannot be used in this major.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
■ Students must earn at least a “C” (2.0) in each core and restricted elective course.
■ Students must consult with an Interdisciplinary Studies adviser to enter the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
■ No courses can count in more than one subject area or in a subject area and a minor.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ 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 (0 hrs)
■ 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

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
■ 2.0 GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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
UCF Degree Programs

Transfer Notes
- Courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies

Track (B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1 Required MAC 1105 College Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

1 may take a higher level math

D: Social Foundations (6 hrs)
Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: (3 hrs)
Required ECO 2013 Principles of Macroeconomics or
Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (11 hrs)
- Core for Environmental Studies:

Physical/Mathematical Sciences

Required CHM 2045C Chemistry Fundamentals I GEP
Required MAC 1105 College Algebra GEP
Required PSC 1121 Physical Science 3 hrs
Required STA 2023 Statistical Methods I GEP

Life Sciences

Required BSC 2010C Biology I GEP
Required BSC 2011C Biology II 4 hrs
Required PCB 3044 Principles of Ecology 3 hrs
Required PCB 3044L Principles of Ecology Laboratory 1 hr

Social Science & Humanities

Required SYG 2000 Introduction to Sociology GEP

Select 1: (3 hrs)
Required ECO 2013 Principles of Macroeconomics or GEP
Required ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals

Required ECP 3302 Economics and the Environment 3 hrs
Required GIS 3043C GIS for Environmental Studies 3 hrs
Required GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
Required IDS 3150 Foundations of Environmental Studies 3 hrs
Required PUP 3203 Environmental Politics 3 hrs
Required SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)
- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
- Select eighteen hours in one concentration.

Science Concentration
- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4156C Florida Wildflowers 4 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4686C Conservation and Management of Native Plants 4 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Marine Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
OCE 3008 Oceanography 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3304C River Ecology 4 hrs
PCB 3314 Marine Bio Diversity 3 hrs
PCB 3442 Florida Aquatic Ecology 3 hrs
PCB 4302C Physicochemical Limnology 4 hrs
PCB 4303C Biological Limnology 4 hrs
PCB 4683 Evolutionary Biology 4 hrs
PCB 4723 Animal Physiology 4 hrs
PCB 5045 Conservation Biology 4 hrs
PCB 5326C Ecosystems of Florida 5 hrs
Values, Planning, & Policy Concentration
- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
  
  Studies - Environmental Studies track majors.
  
  ANT 3541 Biobehavioral Anthropology 3 hrs
  BOT 3802 Ethnobotany 3 hrs
  ECP 4303 Environmental and Natural Resource Economics 3 hrs
  ENC 3211 Theory and Practice of Technical Writing 3 hrs
  ENC 3241 Writing for the Technical Professional 3 hrs
  ENC 4360 Nature Writing 3 hrs
  GIS 4035 Remote Sensing of the Environment 3 hrs
  INR 4351 International Environmental Law 3 hrs
  PAD 3330 Urban and Regional Planning 3 hrs
  PAD 4351 Issues in Environmental Program Management 3 hrs
  PHI 3033 Philosophy, Religion, and the Environment 3 hrs
  PHI 3640 Ethics and Biological Science 3 hrs
  PHM 4031 Environmental Philosophy 3 hrs
  PLA 4554 Environmental Law 3 hrs
  PUP 4204 Sustainability 3 hrs
  PUP 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with adviser approval

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Economics
- Environmental Engineering
- Political Science

Certificates
- None

Related Minors
- All minors

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alic/academic_learning_comacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Interdisciplinary Studies - Women’s Studies Track
(B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room: 302

Program in Women’s Studies, Colburn Hall, Room: 411
http://www.womenst.ucf.edu
E-mail: womenst@mail.ucf.edu
E-mail: is@mail.ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent study credits 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.
# UCF Degree Programs

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP)</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>5. Restricted Electives</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Students must complete one subject area from those specified in the Second Study Area below.</td>
<td></td>
</tr>
<tr>
<td>Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).</td>
<td></td>
</tr>
<tr>
<td>Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First Study Area - Womanist/Women of Color</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area</td>
<td></td>
</tr>
<tr>
<td>WST 3460 Womanist Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 5:</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>AML 3614 Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3622 Ethnic Literature in America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308 Gender Issues in Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304 Women in China or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3751 North American Indian Women Today</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Other courses approved by the Interdisciplinary Studies Advising Team</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First Study Area - Women's Studies Cognate</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area</td>
<td></td>
</tr>
<tr>
<td><strong>Select 6:</strong></td>
<td>18 hrs</td>
</tr>
<tr>
<td>Other courses may be utilized for this area with the permission of the director.</td>
<td></td>
</tr>
<tr>
<td>Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.</td>
<td></td>
</tr>
<tr>
<td>AML 3614 Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3622 Ethnic Literature in America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4261 Literature of the South or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212 Peoples of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4129 Cultural Diversity in Criminal Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4661 Domestic Violence and the Justice System or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242 Modern Europe and the First World War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3593 HIV Disease: A Human Concern or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4643 Cross Cultural Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 5556 Advanced Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEM 2405 Self Defense for Women and Men or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640 Environmental Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3670 Ethical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4300 Theories of Knowledge or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3314 Minorities in American Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 2772 Sexual Behavior or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3764 Psychology of Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700 Race and Ethnicity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4100 Family Trends or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200 Religion in Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630 Popular Culture In Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3650 Sports and Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4732 Minority Aging or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4230 Cultural Diversity in Theater</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 5937 Social Theory/History</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Study Area (from those below)</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</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 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. | |

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>10. Required Minors</th>
<th>Women’s Studies</th>
</tr>
</thead>
</table>

| 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 Computer Science | 3 hrs |
| STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable) | |

### Total Semester Hours Required

- **120**

<table>
<thead>
<tr>
<th>Honors In Major</th>
<th>None</th>
</tr>
</thead>
</table>

### Related Programs

- Interdisciplinary Studies

### Certificates

- None

### Related Minors

- Most UCF minors
Advising Notes  
- None

Transfer Notes  
- Courses taken at community colleges 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.oer.ucf.edu/aic/academic_learning_compacts.htm

International and Global Studies (B.A.)  

College of Sciences  
Department of Political Science, Howard Phillips Hall, Room: 302  
http://www.cos.ucf.edu/politicalscience  
E-mail: politics@ucf.edu  
Dr. Roger Handberg  
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
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:  
- Students who double major in 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 Political Science, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government (3 hrs)

1. UCF General Education Program (GEP) (36 hrs)
   
A: Communication Foundations (9 hrs)
   
B: Cultural & Historical Foundations (10 hrs)
   - Prefer WOH 2022 World Civilization II (3 hrs)
   - Required One course from GEP B.2 list (3 hrs)

C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1107 Explorations in Mathematics (3 hrs)

Math:  
- Prefer MGF 1107 Explorations in Mathematics or (3 hrs)
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics:  
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or (3 hrs)
- Prefer STA 2014C Principles of Statistics or (3 hrs)
- May substitute a more advanced STA course.

D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government (3 hrs)
   - Required One course from GEP D.2 list (3 hrs)

E: Science Foundations (6 hrs)
   - None

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (9 hrs)
   - ECO 2013 Principles of Macroeconomics (3 hrs)
   - INR 2002 International Relations-Theory and Practice (3 hrs)
   - POS 2041 American National Government (3 hrs)

4. Core Requirements: Advanced Level (15 hrs)
   - CPO 3033 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 3033 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)
     - CPO 5334 Contemporary Politics of the Mayan Region (3 hrs)
     - POS 3253 Contemporary Revolution and Political Violence (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 Economic (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 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 I (3 hrs)
     - INR 4402 International Law II (3 hrs)
     - INR 4404 Space Law (3 hrs)
     - INR 4405 International Organizations (3 hrs)
     - INR 4714 Politics of International Trade Policy (3 hrs)
     - INR 4941 Internship (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.

UCF Degree Programs
UCF Degree Programs

6. Capstone Requirements
   1. None

7. Foreign Language Requirements
   Admissions
   1. Met by graduation requirement
   Graduation
   1. 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
   1. Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   2. Internship Program: Political Science: For students who excel, a limited number of internship 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.

9. Additional Requirements
   1. None

10. Required Minors
    1. Select from the following minors (18 hours min)
    2. No more than one course may be used to fulfill both this track 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, Spanish, or Modern Language Combination.

    ■ Asian Studies
    ■ European Studies
    ■ French
    ■ German
    ■ International Business
    ■ Italian
    ■ Latin American Area Studies
    ■ Middle Eastern Studies
    ■ Spanish

11. Departmental Exit Requirements
    1. Maintain a minimum GPA of 2.0 in the major.
    2. Before applying to graduate, the CLAS must be completely satisfied.
    3. Computer Competency met by the following:
       POS 3703  Scope and Methods of Political Science  3 hrs

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. 30 of the last 39 hours of course work must be completed in residency at UCF
    5. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    6. Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

    Total Semester Hours Required
    ■ 120

Honors in Major
1. 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
1. Anthropology
2. Economics
3. History

Certificates
1. None

Related Minors
1. Anthropology
2. Economics
3. History
4. Philosophy
5. Psychology
6. Sociology

Advising Notes
1. None

Transfer Notes
1. Lower division courses taken at community colleges do not substitute for Upper Division courses.
2. 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. None

Plan of Study  (120 hrs)
1. 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  16 hrs
Foreign Language  4 hrs
ENC 1101  Composition I  3 hrs
MGF 1107  Explorations in Mathematics  3 hrs
POS 2041  American National Government  3 hrs
WCH 2012  World Civilization I  3 hrs

Freshman Year - Spring  16 hrs
Foreign Language  4 hrs
ENC 1102  Composition II  3 hrs
INR 2002  International Relations-Theory and Practice  3 hrs
STA 2014C  Principles of Statistics  3 hrs
WCH 2022  World Civilization II  3 hrs

Sophomore Year - Fall  16 hrs
Foreign Language  4 hrs
GEP  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs
GEO 3471  World Political Geography  3 hrs
POS 3703  Scope and Methods of Political Science  3 hrs

Sophomore Year - Spring  16 hrs
Foreign Language  4 hrs
GEP  3 hrs
CPD 3103  Comparative Politics  3 hrs
IDS 4315  Global Perspectives  3 hrs
INR 4603  International Relations Theory  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
GEP  3 hrs
Elective / Minor  3 hrs
Restricted Elective  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
- Interpersonal/Organizational Communication (B.A.)

Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from I/O 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 should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- 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
Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Statistics:
Required STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
Math:
Suggested MGF 1106 Finite Mathematics or 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)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.

3. Core Requirements: Basic Level (6 hrs)
SPC 1608 Fundamentals of Oral Communication 3 hrs

Statistics:
Required STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Computer Science:
Required CSE 1061A Programming and Problem Solving 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
Take all of the following:
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 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 4461 Intercultural Communication 3 hrs
  - Com 4462 Conflict Management 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 3513 Argumentation and Debate 3 hrs
  - SPC 4311 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:
- COM 4906 Directed Independent Study 3 hrs
- Com 4941 Internship 3 hrs
- SPC X949 Coop or 3 hrs
- Com X949 Coop

A maximum of 3 credits of any combination of the following can be used:
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing 3 hrs
- ENC 3311 Advanced Expository Writing 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 Interpersonal/Organizational 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.

8. Electives
- Select primarily from upper level courses. May be taken outside of the School of Communication.

9. Additional Requirements
- None
### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by achieving a “C” (2.0) or better in the following courses or by departmental assessment:
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - CGS 2585C Desktop/Internet Publishing 3 hrs
  - CGS 3175 Internet Applications 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges 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
- 13 hrs
  - Foreign Language 4 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Spring
- 16 hrs
  - GEP 3 hrs
  - Foreign Language 4 hrs
  - Free Elective 3 hrs
  - ENC 1102 Composition II 3 hrs
  - STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Fall
- 16 hrs
  - Free Elective 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Free Elective 4 hrs

#### Sophomore Year - Spring
- 15 hrs
  - Free Elective 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - CGS XXXX Computer course 3 hrs

#### Junior Year - Fall
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted 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.oelas.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
E-mail: journalism@ucf.edu
Mr. Rick Brunson, Area Coordinator, rbrunson@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.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 an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center unless they have AP 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
- July 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 recommends that majors work for a student newspaper.

Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or web site.

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.

All students are required to pay a fee for equipment insurance.

Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

Of these 80 hours, 65 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 School of Communication to remain below the 40 credit hour school maximum.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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.

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

**A: Communication Foundations** (9 hrs)

**Composition:** Complete both courses.

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Speech:** Select one course.

<table>
<thead>
<tr>
<th>Suggested Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

**Group 1:** Select a course from group 1.

<table>
<thead>
<tr>
<th>Preferred Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Group 2:** Select a course from group 2.

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Group 3:** Select a third course from either group 1 or 2.

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**C: Mathematical Foundations** (6 hrs)

**Statistics-Computers:**

<table>
<thead>
<tr>
<th>Suggested Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**D: Social Foundations** (6 hrs)

**Group 1:**

<table>
<thead>
<tr>
<th>Preferred Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Group 2:** Select a listed course

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E: Science Foundations** (6 hrs)

**2. Common Program Prerequisites (CPP) (0 hrs)**

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

Complete one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1603 Fundamentals of Technical Presentations</td>
<td>0 hr</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>0 hr</td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level (12 hrs)**

- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

**Grammar Proficiency** must be satisfied before enrolling in JOU 2100C.

**These courses may be completed before acceptance into the program.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100C News Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3004 History of American Journalism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 2004 Mass Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level (6 hrs)**

**These courses may be completed either before or after acceptance into the program.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives (18 hrs)**

**These courses can only be completed after acceptance into the program.**

Select courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 3101 Advanced Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3201 Editing I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3202 Editing II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3510 Magazine Publishing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4181 Public Affairs Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4224 Magazine Editing and Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4300 Feature Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4342C Converged Journalism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4941 Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3610C Photogrammetry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any JOU or PGY prefix writing, photojournalism, or editing course</td>
<td>3 hrs</td>
</tr>
</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, 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 65 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 School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.
- The minor must be from outside of the school 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 an overall “C” GPA (2.0) in courses taken within the school used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by departmental assessment, or by completing the following course:
  
  Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science or 3 hrs
  - STA 2014C Principles of Statistics 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, the CLAS and nine hours of Summer credit (if applicable)

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 School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes

- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are urged to contact their departmental advisor before registering for courses.

Transfer Notes

- Lower division courses taken at community colleges 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
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.

### 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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, 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 1908 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) (0 hrs)
- None

#### 3. Core Requirements: Basic Level (0 hrs)
- 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 (0 hrs)
- Upper Division Restricted Electives 21 hrs
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

### Supporting Courses
- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 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:
  - Civil and Environmental Law
  - Constitutional Law
  - International Law, Commercial and Transactional Law
  - Sports and Entertainment Law
  - Criminal Law and Individual Legal Issues
  - Law and Society, Litigation and Advocacy
  - Public Law, Sports and Entertainment Law
  - Comparative and International Law
  - Commercial and Transactional Law
- A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

#### 6. Capstone Requirements (3 hrs)
- 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.

#### 8. Electives
- Students taking the following electives must complete them with a minimum grade of “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

#### Honors in Major
- Interested students should consult with their faculty advisor.

#### Related Programs
- Business Administration
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
### UCF Degree Programs

#### Certificates
- None

#### Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>Public Affairs Careers</td>
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<td><strong>Select 1:</strong></td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
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<tr>
<td>MCB 1310</td>
<td>Introduction to Biotechnology and Genetic Engineering</td>
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| Select all of the following: | hr |

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<tr>
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<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics or</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
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</tr>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I or</td>
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II or</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I or</td>
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<tr>
<td>LIT 2120</td>
<td>World Literature II or</td>
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<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or</td>
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<tr>
<td>REL 2300</td>
<td>World Religions or</td>
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<td>Theatre Survey</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>SPC 1608</td>
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<tr>
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<td>Concepts in Chemistry or</td>
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<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
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<tr>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877 or</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td>Foreign Language I or BS option</td>
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<td>PLA 3014</td>
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<td>U.S. History: 1877-Present or</td>
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<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
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<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
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<td>Foreign Language II or BS option</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3108</td>
<td>Legal Research</td>
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<tr>
<td>PLA 3205</td>
<td>Civil Practice and Procedure</td>
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<thead>
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<th>Junior Year - Spring</th>
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</thead>
<tbody>
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<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
<td>PLA 3155</td>
<td>Legal Writing</td>
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<tr>
<td>PLA 3615</td>
<td>Property and Real Estate Law</td>
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<table>
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<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>Supporting Elective</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<td>PLA 4703</td>
<td>Professional Ethics and Liability</td>
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<td>Internship or Restricted Elective</td>
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<td>Restricted Elective</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>PLA 4935</td>
<td>Capstone: Legal Issues</td>
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<tr>
<td>Internship or Restricted Elective</td>
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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Liberal Studies
- Note: See Interdisciplinary Studies.

### Management (B.S.B.A.)

#### College of Business Administration

#### Department of Management, Business Administration

II, Room: 101

http://www.bus.ucf.edu/
Phone: 407-823-2164

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

#### Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for 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 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
Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Select 1:
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 1:
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)

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

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
None

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
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
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

5. Restricted Electives (24 hrs)
Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs
Required Courses 15 hrs
MAN 3301 Management of Human Resources and 2 hrs
MAN 4240 Organizations: Theory and Behavior and 3 hrs
MAN 4320 Human Resources Recruitment and Selection and 3 hrs
MAN 4330 Compensation Administration and 3 hrs
MAN 4350 Training and Development 3 hrs

ECO 2013 Principles of Microeconomics 3 hrs

General Management Track 24 hrs
Required Courses 15 hrs
ISM 3530 Quality & Productivity Management and 3 hrs
MAN 3301 Management of Human Resources and 3 hrs
MAN 4240 Organizations: Theory and Behavior and 3 hrs
MAN 4441 Conflict Resolution and Negotiation and 3 hrs
MAN 4701 Business Ethics and Society 3 hrs

Elective Courses 9 hrs
BUL 4540 Employment Law or 3 hrs
MAN Elective or 3 hrs
MAN Elective or 3 hrs
MAN Elective or 3 hrs

Management Track: Entrepreneurship 24 hrs
Required Courses 12 hrs
GEB 4110 Business Plan Preparation and 3 hrs
GEB 4111 New Venture Finance and 3 hrs
MAN 3301 Management of Human Resources and 3 hrs
MAN 4802 Entrepreneurship 3 hrs
Selected 1: 3 hrs
MAR 3391 Professional Selling or 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
Elective Courses 9 hrs
BUL 4540 Employment Law or 3 hrs
MAN Elective or 3 hrs
MAN Elective or 3 hrs
MAN Elective or 3 hrs

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:
FIN 3403C Business Finance 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 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
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, the CLAS and nine hours of Summer credit (if applicable).

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete 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* may be substituted with: ACG X001
- ACG 2021 *Principles of Financial Accounting* may be substituted with: ACG X011

Plan of Study
- Must complete 9 hours in a summer semester.

Freshman Year - Fall
- ACG 2021 *Principles of Financial Accounting* 3 hrs
- ENC 1101 *Composition I* 3 hrs
- SPC 1506 *Fundamentals of Oral Communication* 3 hrs
- Cult-Hist I Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ACG 2021 *Principles of Financial Accounting* 3 hrs
- ENC 1102 *Composition II* 3 hrs
- MAC 1105 *College Algebra* 3 hrs
- Cult-Hist II Elective 3 hrs
- Art/Music/Lit Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 *Principles of Financial Accounting* 3 hrs
- ECO 2023 *Principles of Microeconomics* 3 hrs
- Science 3 hrs
- Psy/Soc/Ant 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
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- BUL 3130 *Legal and Ethical Environment of Business* 4 hrs
- GEB 3031 *Cornerstone: Professional Skills for Business* 3 hrs
- ISM 3530 *Quality & Productivity Management* 3 hrs
- MAN 3025 *Management of Organizations* 4 hrs
- GEB 3031L *Cornerstone Lab: Professional Skills for Business* 1 hr

Junior Year - Spring
- ECO 3411 *Quantitative Business Tools II* 4 hrs
- FIN 3403C *Business Finance* 4 hrs
- ISM 3011C *Essentials of Management Information Systems* 4 hrs
- MAR 3023 *Marketing* 4 hrs

Senior Year - Fall
- GEB 3375 *Introduction to International Business* 4 hrs
- MAN 3301 *Management of Human Resources* 3 hrs
- MAN 4240 *Organizations: Theory and Behavior* 3 hrs
- MAN Elective 3 hrs
- MAN Elective 3 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
- MAN Elective 3 hrs
- Elective 3 hrs

Human Resource Management Track

Junior Year - Fall
- GEB 3031 *Cornerstone: Professional Skills for Business* 3 hrs
- GEB 3375 *Introduction to International Business* 4 hrs
- MAN 3025 *Management of Organizations* 4 hrs
- MAR 3023 *Marketing* 4 hrs
- GEB 3031L *Cornerstone Lab: Professional Skills for Business* 1 hr

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
- ISM 3011C *Essentials of Management Information Systems* 4 hrs
- MAN 3301 *Management of Human Resources* 3 hrs

Senior Year - Fall
- ISM 3011C *Essentials of Management Information Systems* 4 hrs
- MAN 4240 *Organizations: Theory and Behavior* 3 hrs
- MAN 4320 *Human Resources Recruitment and Selection* 3 hrs
- MAN 4330 *Compensation Administration* 3 hrs
- MAN Elective 3 hrs

Senior Year - Spring
- Free Elective 3 hrs
- MAN 4350 *Training and Development* 3 hrs
- MAN 4720 *Strategic Management* 4 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs
Entrepreneurship Track

**Junior Year - Fall** 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

**Junior Year - Spring** 15 hrs
- 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 Entrepreneurship 3 hrs

**Senior Year - Fall** 16 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3301 Management of Human Resources 3 hrs

Select 1:
- FIN 3461 Financial Statement Analysis 3 hrs
- GEB 4111 New Venture Finance 3 hrs

Select 1:
- MAR 3391 Professional Selling 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAN Elective 3 hrs

**Senior Year - Spring** 16 hrs
- Free Elective 3 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- MAN 4720 Strategic Management 4 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alio/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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- 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 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 of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- 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)
   - 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
     - Required MAC 1140 Pre-Calculus Algebra 3 hrs
   - D: Social Foundations (6 hrs)
     - Select 1:
       - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
       - Suggested ECO 2023 Principles of Microeconomics 3 hrs
     - Select 1:
       - Suggested ANT 2000 General Anthropology 3 hrs
       - Suggested PSY 2012 General Psychology 3 hrs
       - Suggested SYG 2000 Introduction to Sociology 3 hrs
   - E: Science Foundations (6 hrs)

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

   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - ECO 2013 Principles of 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 (0 hrs)
   - None

4. Core Requirements: Advanced Level (50 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
   - J 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
   - ISM 3011C Essentials of Management Information Systems 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - MAR 3023 Marketing 4 hrs

1. Required in 1st or 2nd semester

Required Courses 18 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Customer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
UCF Degree Programs

5. Restricted Electives (6 hrs)

General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 E-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 4724 Strategic Foundations in Global E-Business 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture and 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs

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:
  - FIN 3433 Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Marketing: e-Marketing
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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
- 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
- Cult Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ISM 3011C  Essentials of Management Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3613  Marketing Analysis and Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3503  Customer Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391  Professional Selling</td>
<td>3 hrs</td>
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<tr>
<td>FIN 3403C  Business Finance</td>
<td>4 hrs</td>
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<tr>
<td>BUL 3130  Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
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<td>Junior Year - Spring</td>
<td>17 hrs</td>
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<td>ECO 3411  Quantitative Business Tools II</td>
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<td>GEB 3031  Cornerstone: Professional Skills for Business</td>
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<td>GEB 3375  Introduction to International Business</td>
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<td>MAR 3023  Marketing</td>
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<td>ISM 3011C  Essentials of Management Information Systems</td>
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<tr>
<td>MAN 3025  Management of Organizations</td>
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<tr>
<td>MAR 3641  Marketing Intelligence</td>
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<td>MAC 4803  Marketing Management</td>
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<td>GE Non-Business Elective</td>
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<td>Marketing: Sales Track</td>
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<td>Freshman Year - Fall</td>
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<td>ENC 1101  Composition I</td>
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<td>SPC 1506  Fundamentals of Oral Communication</td>
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<tr>
<td>CGS 2100C  Computer Fundamentals for Business</td>
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<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MAC 1105  College Algebra</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<td>ACG 2021  Principles of Financial Accounting</td>
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<tr>
<td>ECO 2031  Principles of Macroeconomics</td>
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<td>MAC 2312  Calculus with Analytic Geometry II</td>
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<td>MAC 2313  Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
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<tr>
<td>MAP 2302  Differential Equations</td>
<td>3 hrs</td>
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<td>1. UCF General Education Program (GEP)</td>
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<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PHY 2048C  Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
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<tr>
<td>Life &amp; Earth Science: Select one listed course.</td>
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<td>Course Code</td>
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<tr>
<td>COP 3232</td>
<td>Introduction to Programming with C</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
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<td>PHY 2048C</td>
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<tr>
<td>STA 4641</td>
<td>Risk Theory and Decision</td>
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<td>STA 4102</td>
<td>Computer Processing of Statistical Data</td>
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<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II or</td>
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<td>COT 4400</td>
<td>Tools for Algorithm Analysis or</td>
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<tr>
<td>COT 5507</td>
<td>Computational Methods/Applications or</td>
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<td>COT 5510</td>
<td>Computational Methods/Linear Systems or</td>
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<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
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<td>Engineering Analysis-Dynamics</td>
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<td>EGN 3343</td>
<td>Thermodynamics</td>
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<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering or</td>
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<td>STA 4102</td>
<td>Computer Processing of Statistical Data or</td>
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<td>STA 4641</td>
<td>Risk Theory and Decision or</td>
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<tr>
<td>STA 5103</td>
<td>Advanced Computer Processing of Statistical Data</td>
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<td>Discrete Structures II or</td>
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<td>Risk Theory and Decision or</td>
</tr>
<tr>
<td>STA 5103</td>
<td>Advanced Computer Processing of Statistical Data</td>
</tr>
</tbody>
</table>

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

3. Core Requirements: Basic Level (3 hrs)

4. Core Requirements: Advanced Level (42 hrs)

5. Restricted Electives (6 hrs)

A. Applied Elective:

B. Biological or physical sciences Elective:

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

None

Related Programs:

- Actuarial Science
- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mathematics Education
- Mechanical Engineering
- Statistics

Certificates

- None

Related Minors

- Computer Science
- Economics
- Physics
- Statistics

Advising Notes

Transfer Notes

- Lower division courses taken at community colleges 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.
- Computer Programming course: may use any programming language course with a COP prefix. However knowledge of programming is still required.
- Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall

- **GEP** 3 hrs
- **GEP** 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

### Freshman Year - Spring

- **GEP** 3 hrs
- **GEP** 3 hrs
- **Free Elective** 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MGF 3302 Logic and Proof in Mathematics 3 hrs

### Sophomore Year - Fall

- **GEP** 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Spring

- **GEF** 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Junior Year - Fall

- **Free Elective** 3 hrs
- **Core Course** 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

### Junior Year - Spring

- **GEF** 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Senior Year - Fall

- **Restricted Elective** 3 hrs
- **COT 4500** Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- STA 4321 Statistical Theory I 3 hrs

### Senior Year - Spring

- **Restricted Elective** 3 hrs
- **Free Elective** 3 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www oeas.ucf.edu/acl/academic_learning_compacts.htm

Mathematics - Computational Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room: 207**

**http://math.ucf.edu**  
**E-mail: math@mail.ucf.edu**

Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700  
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 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 Differential Equations 3 hrs

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

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

**A: Communication Foundations** (9 hrs)

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

**C: Mathematical Foundations** (7 hrs)

- Required COP 3502C Computer Science I 3 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (7 hrs)

**Physical Sciences:** (4 hrs)

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Life Sciences:** (3 hrs)

Select one course listed in GEP E 2  

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

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following.
- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 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 (3 hrs)

- COP 3502C Computer Science I  
- MAP 2302 Differential Equations  
- PHY 2048C Physics for Engineers & Scientists I  
- PHY 2049C Physics for Engineers and Scientists II  
- STA 2023 Statistical Methods I 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

247  Undergraduate Catalog 2010-2011
### UCF Degree Programs

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

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
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<td>COT 4500</td>
<td>Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENO 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4226</td>
<td>Advanced Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAD 4203</td>
<td>Applied Combinatorics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4307</td>
<td>Applications of Complex Variables (Advanced Math)</td>
<td>3 hrs</td>
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<tr>
<td>MAP 4363</td>
<td>Applied Boundary Value Problems I</td>
<td>3 hrs</td>
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<tr>
<td>MAP 4364</td>
<td>Applied Boundary Value Problems II</td>
<td>3 hrs</td>
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<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
<td>4 hrs</td>
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<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
<td>3 hrs</td>
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<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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#### Select 1:
- COP 3100C Introduction to Discrete Structures or MHP 3302 Logic and Proof in Mathematics (3 hrs)

#### Select 2:
- MAP 4103 Mathematical Modeling I or MAP 4153 Vector and Tensor Analysis (3 hrs)

#### 5. Restricted Electives (18 hrs)

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<th>Hours</th>
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<tr>
<td>COP 3402</td>
<td>Systems Software or</td>
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</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I or Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>Computer Architecture or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>any MAA, MAD, MAP, MAS, or MTG upper division courses</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

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

Graduation
- None

#### 8. Electives
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: COP 3502C Computer Science I (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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Statistics

### Certificates
- None

### Related Minors
- Computer Science
- Physics
- Statistics

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges 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:
  - Computer Programming: may use any programming language course with a COP prefix.
  - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall
- GEP 3 hrs
- Free Elective 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

#### Freshman Year - Spring
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHP 3302 Logic and Proof in Mathematics 3 hrs

#### Sophomore Year - Fall
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Sophomore Year - Spring
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

#### Junior Year - Fall
- GEP 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

#### Total Semester Hours Required
- 120
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
GEP 3 hrs
COP 3502C Computer Science I 3 hrs
MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
COP 3503C Computer Science II 4 hrs
MAD 4203 Applied Combinatorics 3 hrs
STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
COT 4500 Numerical Calculus 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oaeas.ucf.edu/oaeo/academic_learning_compacts.htm

Mathematics - Engineering/Physics Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.

Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 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 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
Required COP 3502C Computer Science I 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required COP 3502C Computer Science I 3 hrs
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

Physical Sciences: 4 hrs
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Sciences. 3 hrs
Select one course listed in GEP E 2.

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses below.
- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311 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 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)
- COP 3502C Computer Science I GEP
- MAP 2302 Differential Equations CPP
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II CPP

Select one statistics course: 3 hrs
STA 2023 Statistical Methods I or 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAA 4226 Advanced Calculus I GEP
- MAP 4135 Vector and Tensor Analysis 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MHE 3302 Logic and Proof in Mathematics 3 hrs

Select 1: 3 hrs
- EML 3594C Modeling Methods in Mechanical and 3 hrs
  Aerospace Engineering or
- MAP 4103 Mathematical Modeling I or 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

Select 1: 3 hrs
- COT 4500 Numerical Calculus or 3 hrs
- EGN 3420 Engineering Analysis 3 hrs

Select 1: 3 hrs
- MAD 4203 Applied Combinatorics or 3 hrs
- MAS 3106 Linear Algebra 4 hrs

Select 1: 3 hrs
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- PHY 3220 Mechanics I 3 hrs

Select 1: 3 hrs
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select 1: 3 hrs
- EGN 3520 Thermo-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics or 3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
## UCF Degree Programs

### Select 1:

<table>
<thead>
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<tbody>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics or</td>
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<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PHY 3101</td>
<td>Physics for Engineers and Scientists III or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
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### Select 1:

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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II or</td>
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<tr>
<td>EEL 3004</td>
<td>Electrical Networks or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics or</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials or</td>
<td>3 hrs</td>
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<tr>
<td>EML 4220</td>
<td>Vibration Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I or</td>
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</tr>
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Select 1: 3 hrs

Or any MAA, MAD, MAP, or MAS course at 3000 level or above

### Select 1:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
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<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab or</td>
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<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials or</td>
<td>3 hrs</td>
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<tr>
<td>EIN 3000</td>
<td>Introduction to Industrial Engineering and Management Systems or</td>
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</table>

Select 1: 3 hrs

or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
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<tbody>
<tr>
<td>COP 3502C</td>
<td>Computer Science I 3 hrs</td>
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<tr>
<td>CWR 4203C</td>
<td>Computer Science II 3 hrs</td>
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<td>EAS 4105</td>
<td>Fluid Mechanics II or</td>
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<td>EAS 4200</td>
<td>Flight Structures or</td>
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<tr>
<td>EAS 4400</td>
<td>Spacecraft Attitude Dynamics or</td>
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<tr>
<td>EAS 4505</td>
<td>Orbital Mechanics or</td>
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<tr>
<td>EEE 4324</td>
<td>Digital Systems or</td>
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<tr>
<td>EEL 4370</td>
<td>Electromagnetic Fields or</td>
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<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals or</td>
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<td>EEL 3650</td>
<td>Linear Control Systems or</td>
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<td>EEL 3801C</td>
<td>Computer Organization or</td>
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<td>EEL 4742C</td>
<td>Embedded Systems or</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
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<tr>
<td>EEL 4832</td>
<td>Engineering Applications of Computer Methods or</td>
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<td>EEL 4851C</td>
<td>Engineering Data Structures or</td>
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<td>EGN 3365</td>
<td>Structure and Properties of Materials or</td>
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<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis or</td>
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<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems or</td>
<td></td>
</tr>
<tr>
<td>EMA 4223</td>
<td>Fundamentals of Mechanical Behavior of Materials or</td>
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<td>EML 3262</td>
<td>Kinematics of Mechanisms or</td>
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<td>EML 4142</td>
<td>Heat Transfer or</td>
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<td>EML 4312C</td>
<td>Feedback Control or</td>
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<tr>
<td>EML 4703</td>
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<td>ENV 4561</td>
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<td>ESI 4234</td>
<td>Quality Engineering or</td>
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<td>ESI 4523C</td>
<td>Systems Simulation or</td>
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<td>PHY 3323</td>
<td>Electricity and Magnetism I or</td>
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<td>PHY 4324</td>
<td>Electricity and Magnetism II or</td>
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<td>STA 4321</td>
<td>Statistical Theory I or</td>
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</tr>
<tr>
<td>STA 4322</td>
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Select 2: 6 hrs

Or any MAA, MAD, MAP, or MAS course at 3000 level or above

### 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

Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

### 9. Additional Requirements

- None

### 10. Required Requirements

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120

### Honors In Major

- None

### Related Programs

- Aerospace Engineering
- Civil Engineering
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates

- None

### Related Minors

- Computer Science
- Physics
- Statistics

### Advising Notes

- None

### Transfer Notes

- Lower division courses taken at community colleges 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.
- Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these 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.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

<table>
<thead>
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<tr>
<td>GEP</td>
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<tr>
<td>GEP</td>
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<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
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Freshman Year - Spring

<table>
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<th>Course</th>
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<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
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Sophomore Year - Fall

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<td>GEP</td>
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<tr>
<td>GEP</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
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<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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Sophomore Year - Spring

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<th>Course</th>
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<tr>
<td>GEP</td>
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<tr>
<td>Core Course</td>
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<td>Free Elective</td>
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<tr>
<td>MAP 2302 Differential Equations</td>
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<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
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Junior Year - Fall

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<td>Core Course</td>
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<td>MAP 4153 Vector and Tensor Analysis</td>
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Junior Year - Spring

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<th>Course</th>
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<tbody>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</td>
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<td>MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)</td>
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Senior Year - Fall

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<td>Restricted Elective</td>
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<td>EGN 3321 Engineering Analysis-Dynamics</td>
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Senior Year - Spring

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<tr>
<td>MAP 4364 Applied Boundary Value Problems II</td>
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Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics - Mathematical Economics Track (B.S.)

College of Sciences

Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu
Phone: 407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

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 and Economics Departments.
- 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.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.
- MAC 2311 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 Differential Equations 3 hrs

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

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

(9 hrs)

C: Mathematical Foundations

(7 hrs)

D: Social Foundations

(6 hrs)

Select 1:

- Required ECO 2013 Principles of Microeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics or 3 hrs

Select 1:

- 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

(7 hrs)

1. Physical or Life Science designed for majors. 4 hrs
- Required BSC 2010C Biology I or 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
2. Remaining Science Requirement

Complete the section of the Science GEP not yet taken.  

2. Common Program Prerequisites (CPP) (14 hrs)

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

See Transfer Notes for possible substitutes.

COP 3223 Introduction to Programming with C 3 hrs
MAC 2311 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 Differential Equations 3 hrs

Select a science course designed for majors: 4 hrs

BSC 2010C Biology I or 4 hrs
CHM 2045C Chemistry Fundamentals I or 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level (26 hrs)

ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics GEP
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 4451 Research Methods in Economics 3 hrs
MAP 2302 Differential Equations CPP
MAS 3105 Matrix and Linear Algebra 4 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
STA 2023 Statistical Methods I GEP
STA 4321 Statistical Theory I 3 hrs

Remaining Science Sequence

Complete the science sequence started in the Common Program Prerequisites.

PHY 204C Physics for Engineers and Scientists II 4 hrs

or

CHM 2046 Chemistry Fundamentals I and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

or

BSC 2011C Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)

ECO 3410 Mathematical Economics 3 hrs
ECO 4412 Econometrics 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
MAP 4103 Mathematical Modeling I 3 hrs
MAS 3106 Linear Algebra 4 hrs

5. Restricted Electives (18 hrs)

Select three courses from each of the following two areas:

Area 1

COT 4500 Numerical Calculus 3 hrs
MAD 4203 Applied Combinatorics 3 hrs
MAP 4113 Probability, Random Processes and 3 hrs
Applications I
MAP 4307 Applications of Complex Variables (Advanced 3 hrs
Engineering Math Series)
MAP 4363 Applied Boundary Value Problems I 3 hrs

Area 2

ECO 3703 International Microeconomics 3 hrs
ECO 4504 Public Economics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECP 4303 Environmental and Natural Resource 3 hrs
Economics
ECP 4403 Industrial Organization and Game Theory 3 hrs
STA 4322 Statistical Theory II 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

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 earn a grade of “C” (2.0) or better in each course applied towards the major as well as a 2.0 overall average.

Computer Competency met by one of the following:

COP 3223 Introduction to Programming with C 3 hrs
ECO 4451 Research Methods in Economics 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 residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Mathematics - Applied Track
Statistics

Certificates

None

Related Minors

Computer Science
Economics
Mathematics
Statistics

Advising Notes

None

Transfer Notes

Courses taken at community colleges do not substitute for Upper Division courses
Courses transferred must be formally evaluated for equivalence credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses

Substitutes for common program prerequisites if taken prior to transferring to UCF.
Computer Programming: may use any programming language course with a COP prefix.

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

GEP 3 hrs
COP 3223 Introduction to Programming with C 3 hrs
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
### UCF Degree Programs

#### Mathematics - Pure Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room:** 207  
http://math.ucf.edu  
E-mail: math@mail.ucf.edu  
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700  
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 required course.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Freshman Year - Spring</td>
<td>16 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<tr>
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<td>Composition II</td>
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<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>MAA 3302</td>
<td>Logic and Proof in Mathematics</td>
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<td>Calculus with Analytic Geometry III</td>
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<td>Intermediate Microeconomics</td>
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<td>MAS 3106</td>
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<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
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<td>GEP</td>
<td>3 hrs</td>
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<td>Restricted Elective</td>
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<td>ECO 4451</td>
<td>Research Methods in Economics</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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Mathematics - Pure Track (B.S.)**

**College of Sciences**

**Department of Mathematics, Math and Physics, Room:** 207  
http://math.ucf.edu  
E-mail: math@mail.ucf.edu  
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700  
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 required course.
5. Restricted Electives (3 hrs)
- Biological or physical sciences electives 3 hrs
  - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select 1:
- CHM 2046 Chemistry Fundamentals ii or 3 hrs
- CHM 2210 Organic Chemistry I or 3 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302C Physiochemical Limnology or 4 hrs
- PCB 4303C Biological Limnology or 4 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4424 Optics 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Science
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Economics
- Mathematics
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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.
  - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these 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.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MGF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 3302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs

Junior Year - Fall 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAS 4301 Abstract Algebra I 3 hrs

Junior Year - Spring 16 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs

Senior Year - Fall 16 hrs
- GEP 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 16 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- STA 4322 Statistical Theory II 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Mathematics Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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. (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 in Schools.
- Students should apply and be approved for Internship I.

UCF General Education Program (GEP) (37 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2121 U.S. History: 1877-Present 3 hrs
- Prefer PHI 1011 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2021 General Psychology 3 hrs

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

Select 1: (3 hrs)
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Take all of the following: (9 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs

Graduate Degree Programs
- Pass all four parts of 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/clinicalexp/
- Internship I 12 hrs

Specialization Requirements (23 hrs)
- A grade of “C-” (1.75) or better is required.
- MAE 3940 Internship 3 hrs
- MAE 3941 Internship 3 hrs
- MAS 2303 Introduction to Number Theory 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- MHF 4404 History of Mathematics 3 hrs
- MTG 4212 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 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.

UCF Degree Programs
255 Undergraduate Catalog 2010-2011
**UCF Degree Programs**

- 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 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

**5. Restricted Electives**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MAE 4941</td>
<td>Internship</td>
<td>12</td>
</tr>
</tbody>
</table>

**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.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**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**

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs

**Freshman Year - Spring**

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**

- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

**Freshman Year - Summer**

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**

- MAP 2302 Differential Equations 3 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Sophomore Year - Spring**

- AMH 2020 U.S. History: 1877-Present 3 hrs
- EDU 2130 Child and Adolescent Development for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**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
- MTG 4212 Modern Geometries 4 hrs

**Junior Year - Spring**

- MAC 4334 Programs in Teaching of Mathematics 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 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**

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MAE 3940 Internship 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MTH 4404 History of Mathematics 3 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
# UCF Degree Programs

## Mechanical Engineering (B.S.M.E.)

### College of Engineering and Computer Science

**Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307**

[http://www.mmae.ucf.edu](http://www.mmae.ucf.edu)

**E-mail:** mmaeugrad@mail.ucf.edu

**Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137**

**Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448**

**Phone:** 407-823-2416

### Admission Requirements

- None

### 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 State University/Community College Systems 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 1603 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 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   **D: Social Foundations (6 hrs)**
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations 3 hrs

   **E: Science Foundations (7 hrs)**
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Select one class from Science Foundations 3 hrs

2. **Common Program Prerequisites (CPP) (19 hrs)**
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   **Required Courses: Basic 2 hrs**
   - EGN 1007C Engineering Concepts and Methods 1 hr

   **Required Courses: Advanced 44 hrs**
   - EGN 3301 Solid Mechanics 3 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3334 Thermodynamics 3 hrs
   - EGN 3365 Structure and Properties of Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - EML 3054C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EML 3500 Machine Design and Analysis 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 4220 Vibration Analysis 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - EML 4535C CAD/CAM 3 hrs
   - STA 3032 Probability and Statistics for Engineers 3 hrs

   **Select one of the following three options for your senior year to complete your BSME:**

   **Energy Systems Option 21 hrs**
   - EML 3101 Thermodynamics of Mechanical Systems and Machines 3 hrs
   - EML 4145 Topics in Heat Transfer and Energy Systems 2 hrs
   - EML 4221C Mechanical Systems Experimental Techniques 2 hrs
   - EML 4304C Design of Thermo-Fluid Experiment and Energy Systems 2 hrs
   - EML 4703 Fluid Mechanics II and Heat Transfer 3 hrs
   - Approved Electives 9 hrs

   **Mechanical Systems Option 21 hrs**
   - EGM 3601L Solid Mechanics Lab and Experiments 2 hrs
   - EML 3262 Kinematics of Mechanisms and Machines 3 hrs
   - EML 4221C Mechanical Systems Experimental Techniques 2 hrs
   - EML 4304C Design of Thermo-Fluid Experiment and Energy Systems 2 hrs
   - Approved Electives 12 hrs

   **Materials Option 21 hrs**
   - EMA 3122C Experimental Techniques in Mechanics and Materials 3 hrs
   - EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
   - EMA 4223 Fundamentals of Mechanical Behavior of Materials and Components 3 hrs
   - Approved Electives 9 hrs

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 (65 hrs)**
   - **Required Courses: Basic 2 hrs**
   - **Required Courses: Advanced 44 hrs**
   - **EML 3054C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs**
   - **EML 3303C Mechanical Engineering Measurements 3 hrs**
   - **EML 3500 Machine Design and Analysis 3 hrs**
   - **EML 3701 Fluid Mechanics I 3 hrs**
   - **EML 4142 Heat Transfer 3 hrs**
   - **EML 4220 Vibration Analysis 3 hrs**
   - **EML 4312C Feedback Control 3 hrs**
   - **EML 4535C CAD/CAM 3 hrs**
   - **STA 3032 Probability and Statistics for Engineers 3 hrs**
   - **Select one of the following three options for your senior year to complete your BSME:**
   - **Energy Systems Option 21 hrs**
     - EML 3101 Thermodynamics of Mechanical Systems and Machines 3 hrs
     - EML 4145 Topics in Heat Transfer and Energy Systems 2 hrs
     - EML 4221C Mechanical Systems Experimental Techniques 2 hrs
     - EML 4304C Design of Thermo-Fluid Experiment and Energy Systems 2 hrs
     - EML 4703 Fluid Mechanics II and Heat Transfer 3 hrs
     - Approved Electives 9 hrs
   - **Mechanical Systems Option 21 hrs**
     - EGM 3601L Solid Mechanics Lab and Experiments 2 hrs
     - EML 3262 Kinematics of Mechanisms and Machines 3 hrs
     - EML 4221C Mechanical Systems Experimental Techniques 2 hrs
     - EML 4304C Design of Thermo-Fluid Experiment and Energy Systems 2 hrs
     - Approved Electives 12 hrs
   - **Materials Option 21 hrs**
     - EMA 3122C Experimental Techniques in Mechanics and Materials 3 hrs
     - EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
     - EMA 4223 Fundamentals of Mechanical Behavior of Materials and Components 3 hrs
     - Approved Electives 9 hrs

5. **Restricted Electives (0 hrs)**
   - Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

[http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf](http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf)
UCF Degree Programs

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1: 
- EGN 4412C Interdisciplinary Design I or EML 4501C Engineering Design I 3 hrs
- EGN 4413C Interdisciplinary Design II or EML 4502C Engineering Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Aerospace Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

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 0 hrs
  - EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.
- Mechanical Systems Option:

Freshman Year - Fall
- GEP 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1110 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Select 1: 4 hrs
  - CHM 2040C Chemistry Fundamentals IA or
  - CHM 2045C Chemistry Fundamentals I or
  - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- Freshman Year - Summer
- GEP 6 hrs
- CHM 2041C Chemistry Fundamentals IB 3 hrs
- MAC 2313 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

Sophomore Year - Spring
- EGN 3351 Solid Mechanics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs

Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EML 4220 Vibration Analysis 3 hrs
- EML 4535C CAD/CAM 3 hrs
- Upper Division Elective 3 hrs

Junior Year - Spring
- Upper Division Elective 3 hrs
- EML 4212 Heat Transfer 3 hrs
- EML 4214 Electromagnetics 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Senior Year - Fall
- Upper Division Elective 3 hrs
- EML 3262 Kinematics of Mechanisms 3 hrs
- EML 4214 Electromagnetics 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

1 Must take CHM 2041C to complete the sequence
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Medical Laboratory Sciences (B.S.)**

**College of Medicine**
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Dr. P. E. Kolattukudy, Chair
Ms. Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
Phone: 407-823-5932

**Admission Requirements**
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

### C: Mathematical Foundations (6 hrs)

Prefer MAC 1105 College Algebra

- Required STA 2023 STATISTICAL METHODS I 3 hrs

### D: Social Foundations (6 hrs)

- Required BSC 2010C Biology I 4 hrs

### E: Science Foundations (8 hrs)

- Required CHM 2045C Chemistry Fundamentals I 4 hrs

**Required Courses**

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 4102 Thermodynamics and Kinetics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991 Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
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<tr>
<td>EGN 4412C Interdisciplinary Design I or Engineering Design I</td>
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<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4145 Topics in Heat Transfer</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4304C Design of Thermo-Fluid Experiment</td>
<td>2 hrs</td>
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<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3101 Thermodynamics of Mechanical Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4221C Mechanical Systems Experimental Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
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<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991 Mechanical Career and Academic Faculty Advising II</td>
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<tr>
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### UCF Degree Programs

University of Central Florida

259 Undergraduate Catalog 2010-2011
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (25 hrs)
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
- BSC 2010C  Biology I  **GEP**
- 1 MCB 3020C  General Microbiology  5 hrs
- 1 PCB 3703C  Human Physiology  4 hrs
- STA 2023  Statistical Methods I  **GEP**
- 1 ZOO 3733C  Human Anatomy  4 hrs

**Take all of the following:** 4 hrs
- CHM 2046C  Chemistry Fundamentals I and  **GEP**
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

**Take all of the following:** 8 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- CHM 2211  Organic Chemistry II and  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs

1. See Transfer Notes

### 3. Core Requirements: Basic Level (0 hrs)
- **None**

### 4. Core Requirements: Advanced Level (64 hrs)
- BSC 3403C  Quantitative Biological Methods  4 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- MLS 3220C  Techniques in Clinical Microscopy  3 hrs
- MLS 3305  Hematology  3 hrs
- MLS 3305L  Hematology Lab  1 hr
- MLS 3705  Concepts in Education/Management  3 hrs
- MLS 4334  Hemostasis  3 hrs
- MLS 4430C  Clinical Parasitology  2 hrs
- MLS 4480C  Clinical Pathogenic Microbiology  5 hrs
- MLS 4505C  Immunodiagnastics  3 hrs
- MLS 4550  Clinical Immunohematology  4 hrs
- MLS 4625  Advanced Clinical Chemistry I  3 hrs
- MLS 4625L  Advanced Clinical Chem I Lab  1 hr
- MLS 4630  Advanced Clinical Chemistry II  3 hrs
- MLS 4830C  Interpretive & Practical Clinical Chemistry  4 hrs
- MLS 4831C  Interpretive & Practical Immunohematology  4 hrs
- MLS 4832C  Interpretive & Practical Hematology  4 hrs
- MLS 4833C  Diagnostic Microbiology  4 hrs
- MLS 4910  Introduction to Clinical Research  1 hr
- MLS 4933  Medical Technology Seminar  2 hrs
- PCB 3232  Immunology  3 hrs
- PCB 3233L  Immunology Laboratory  1 hr

### 5. Restricted Electives (0 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 graduation.

#### Graduation
- **None**

### 8. Electives
- **None**

### 9. Additional Requirements
- **None**

### 10. Required Minors
- **None**

### 11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.

Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.

Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 126

### Honors In Major
- **None**

### Related Programs
- Biology
- Chemistry
- Molecular Biology and Microbiology

### Certificates
- **None**

### Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

### Advising Notes
- **None**

### 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
- MCB 3020C  General Microbiology  5 hrs
- may be substituted with: MCB 2010C Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)

### Plan of Study

#### Freshman Year - Fall
- 16 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- CHM 2046C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- MAC 1105  College Algebra  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- **Total:** 16 hrs

#### Freshman Year - Spring
- 17 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- STA 2023  Statistical Methods I  3 hrs
- **Total:** 17 hrs

#### Sophomore Year - Fall
- 16 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- **Total:** 16 hrs

#### Sophomore Year - Fall
- 16 hrs
- ECO 2013  Principles of Macroeconomics or  3 hrs
- POS 2041  American National Government  3 hrs
- **Total:** 16 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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### Program Academic Learning Compacts

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### Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Modern Language Combination (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

### UCF Degree Programs

<table>
<thead>
<tr>
<th>Select 1</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877 or 3 hrs</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or 3 hrs</td>
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<tr>
<td>HUM 2210</td>
<td>Humanitarian Tradition I 3 hrs</td>
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<table>
<thead>
<tr>
<th>Select 1</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 210</td>
<td>Enjoyment of Music or 3 hrs</td>
</tr>
<tr>
<td>PHI 210</td>
<td>Introduction to Philosophy or 3 hrs</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions or 3 hrs</td>
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<tr>
<td>THE 2000</td>
<td>Theatre Survey 3 hrs</td>
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**Take all of the following:**

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II 3 hrs</td>
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<tr>
<td>CHM 221L</td>
<td>Organic Laboratory Techniques I 2 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology 5 hrs</td>
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<tr>
<td>PCB 3703C</td>
<td>Human Physiology 4 hrs</td>
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</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II or 3 hrs</td>
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<tr>
<td>HUM 2230</td>
<td>Humanitarian Tradition II 3 hrs</td>
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<tr>
<th>Junior Year - Fall</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>MLS 3220C</td>
<td>Techniques in Clinical Microscopy 3 hrs</td>
</tr>
<tr>
<td>MLS 4430C</td>
<td>Clinical Parasitology 2 hrs</td>
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<tr>
<td>MLS 4625</td>
<td>Advanced Clinical Chemistry I 3 hrs</td>
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<tr>
<td>MLS 4625L</td>
<td>Advanced Clinical Chem I Lab 1 hr</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology 3 hrs</td>
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<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory 1 hr</td>
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<tr>
<td>MLS 3305</td>
<td>Hematology 3 hrs</td>
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<tr>
<td>MLS 3305L</td>
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<tr>
<td>MLS 4460C</td>
<td>Clinical Pathogenic Microbiology 5 hrs</td>
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<td>MLS 4630</td>
<td>Advanced Clinical Chemistry II 3 hrs</td>
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<th>Junior Year - Summer</th>
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<tr>
<td>MLS 4334</td>
<td>Hemostasis 3 hrs</td>
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<tr>
<td>MLS 4550</td>
<td>Clinical Immunohematology 4 hrs</td>
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<tr>
<td>MLS 4830C</td>
<td>Interpretive &amp; Practical Clinical Chemistry 4 hrs</td>
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<td>Interpretive &amp; Practical Immunohematology 4 hrs</td>
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### Degree Requirements

**None**

### Admission Requirements

**None**

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**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

### UCF Degree Programs

<table>
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<td>Spanish Phonetics or 3 hrs</td>
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<tr>
<td>SPN 4800</td>
<td>Spanish-American Syntax or 3 hrs</td>
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<td>Spanish Morphology 3 hrs</td>
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### UCF Degree Programs

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<td>French Phonetics and Diction or 3 hrs</td>
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<td>FRE 4422</td>
<td>Advanced French Composition or 3 hrs</td>
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<tr>
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<td>Spanish-American Syntax or 3 hrs</td>
</tr>
<tr>
<td>SPN 4801</td>
<td>Spanish Morphology 3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Literature (select one sequence)

- SPW 3100  Survey of Spanish Literature I  3 hrs
- SPW 3101  Survey of Spanish Literature II  3 hrs

or

- SPW 3130  Survey of Latin-American Literature I  3 hrs
- SPW 3131  Survey of Latin-American Literature II  3 hrs

or

- FRW 3100  Survey of French Literature I  3 hrs
- FRW 3101  Survey of French Literature II  3 hrs

or

- GEW 3100  Survey of German Literature I  3 hrs
- GEW 3101  Survey of German Literature II  3 hrs

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, Spanish or Italian)

- 15 hrs

Communication (Select One)

- 3 hrs
- FRE 3420  French Composition or
- GER 3420  Intensive German Composition or
- ITA 3420  Italian Composition or
- SPN 3420  Spanish Composition

Advanced Oral Communication (select one)

- 3 hrs
- FRE 3760  Advanced French Oral Communication or
- GER 3760  Advanced German Oral Communication or
- ITA 3760  Advanced Italian Oral Communication or
- SPN 3760  Advanced Spanish Oral Communication

5. Restricted Electives (0 hrs)

Restricted Electives in the First Language

- 9 hrs

chosen with departmental advisor

Restricted Electives in the Second Language

- 9 hrs

chosen with departmental advisor

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by Graduation requirements.

Graduation

- Met by degree program requirements (four semesters or proficiency).

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 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)
- Computer Competency met by the following: CGS 106C  Introduction to Computer Science  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 hrs of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- French
- Spanish

Certificates

- None

Related Minors

- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 16 hrs

- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs
- 4 hrs
- ENC 1101  Composition I  3 hrs

1 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 - Spring 16 hrs

- 3 hrs
- 3 hrs
- 3 hrs
- 4 hrs
- ENC 1102  Composition II  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall 16 hrs

- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs
- FRE 1120C  Elementary French Language and Civilization I  4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
### Sophomore Year - Spring
- 15 hrs
  - 1 GEP 3 hrs
  - 1 CPP 3 hrs
  - 1 Restricted Elective 2 hrs
  - 1 Restricted Elective 3 hrs
  - FRE 1121C Elementary French Language and Civilization II 4 hrs

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Fall
- 15 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Restricted Elective 3 hrs
  - FRE 2200 Intermediate French Language and Civilization I 3 hrs

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Spring
- 15 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Restricted Elective 3 hrs

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Fall
- 15 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Restricted Elective 3 hrs

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Spring
- 12 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Core Course 3 hrs
  - 1 Restricted Elective 3 hrs

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

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)

Molecular Biology and Microbiology (B.S.)
**College of Medicine**
**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**
[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
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 Public University/Community College System.
- Students should consult with a departmental advisor.

1. **UCF General Education Program (GEP)** (38 hrs)
   - Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

   **A: Communication Foundations**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations**
   - 9 hrs

   **C: Mathematical Foundations**
   - Select 1: MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 hrs

   **D: Social Foundations**
   - 6 hrs

   **E: Science Foundations**
   - 8 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
   - 1 BSC 2011C Biology II 4 hrs
   - 1 CHM 2045C Chemistry Fundamentals I GEP
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - MAC 2311 Calculus with Analytic Geometry I GEP

   Select one of the following sequences of courses:

   - PHY 2053C College Physics I and PHY 2054C College Physics II 4 hrs
   - or
   - PHY 2048C Physics for Engineers & Scientists I and PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. See Transfer Notes for possible substitutions.

3. **Core Requirements: Basic Level** (8 hrs)

Math, Statistics, Computer

**Select 1:**
- MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 hrs
## Select 1:
- CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I
- 3 hrs GEP

### Chemistry

#### Take all of the following:
- 8 hrs
  - CHM 2210 Organic Chemistry I and
  - CHM 2211 Organic Chemistry II and
  - CHM 2211L Organic Laboratory Techniques I

#### 4. Core Requirements: Advanced Level (25 hrs)

### Life Sciences
- BSC 3403C Quantitative Biological Methods
- MCB 3020C General Microbiology
- MCB 4414 Microbial Metabolism
- PCB 3233L Immunology Laboratory
- PCB 3522 Molecular Biology I
- PCB 4239 Molecular Immunology
- PCB 4524 Molecular Biology II

### Chemistry
- BCH 4053 Biochemistry I
- 3 hrs

#### 5. Restricted Electives (0 hrs)

(7 courses minimum)

- *Recommended for Preprofessional students*
  - 1 ZOO 4605 Human Clinical Embryology and Congenital Malformation
  - 1 ZOO 4704C Clinical Neuroanatomy and Neuroscience
  - ZOO 4747C Clinical Neuroscience
  - 1 ZOO 4753C Vertebrate Histology
  - ZOO 5745C Essentials of Neuroanatomy
  - None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- None

#### Graduation

- None

### 8. Electives

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 30 semester hours earned after CLEP awarded
- 54 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

### Honors in Major

- Application and admission through the Department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - BSC 3403C Quantitative Biological Methods-Honors
- 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

### Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences
Plan of Study

Freshman Year - Fall 13 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1110 Composition I 3 hrs
MAC 1105 College Algebra 3 hrs

Select 1: 3 hrs
ANT 2000 General Anthropology or
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 16 hrs
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
MAC 1114 College Trigonometry 3 hrs
1 SLS 2311C Overview of Select Medical Careers 2 hrs

Sophomore Year - Fall 15 hrs
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs

Select 1: 4 hrs
MAC 2253 Applied Calculus I or
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUH 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 15 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or
STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or
EUH 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
WOH 2022 World Civilization II 3 hrs

Junior Year - Fall 17 hrs
1 BSC 2011C Biology II 4 hrs
PCB 3522 Molecular Biology I 3 hrs

Select 1: 4 hrs
2 PHY 2048C Physics for Engineers & Scientists I or
PHY 2053C College Physics I 4 hrs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
POS 2041 American National Government 3 hrs

1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall 16 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
BCH 4053 Biochemistry I 3 hrs
Cultural/Historical 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 4 hrs
Restricted Elective 4 hrs
Restricted Elective 4 hrs
MCB 4414 Microbial Metabolism 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: $39 per term
Full-Time Student: $78 per term

Molecular Biology and Microbiology - Preprofessional Concentration (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P. E. Kolattukudy, Chair
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
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 before transferring within the Florida Public University/Community College System.

☐ Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

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

☐ Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1605 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select 1: 3 hrs

Required CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs
Required BSC 2010C Biology I 4 hrs

D: Social Foundations (6 hrs)

Required BSC 2011C Biology II 4 hrs
Required CHM 2210 Organic Chemistry I 3 hrs

Select one of the following sequences of courses: 8 hrs

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

or

PHYS 2048C Physics for Engineers & Scientists I and PHYS 2049C Physics for Engineers & Scientists II 4 hrs

E: Science Foundations (6 hrs)

Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

Select one of the following sequences of courses: 8 hrs

CHM 2210L Organic Chemistry I and CHM 2211L Organic Chemistry II and CHM 2211L Organic Laboratory Techniques I 2 hrs

1 See Transfer Notes for possible substitutions

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
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses: 4 hrs

CHM 2210L Organic Chemistry I and CHM 2211L Organic Chemistry II and CHM 2211L Organic Laboratory Techniques I 2 hrs

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic

SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers

Select 1: 4 hrs

MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I GEP

Select 1: 3 hrs

CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I GEP

Chemistry

Take all of the following: 8 hrs

CHM 2210 Organic Chemistry I and CHM 2211 Organic Chemistry II and CHM 2211L Organic Laboratory Techniques I 3 hrs

 burns may be 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:

BCH 4054 Biochemistry II 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 3203L Pathogenic Microbiology 1 hr
MCB 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4503C Virology 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4344 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4235 Cancer Biology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced

BSC 3403C Quantitative Biological Methods 4 hrs
MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs

Chemistry

BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

Seven courses minimum

☐ Seven courses from below, of 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:

BCH 4054 Biochemistry II 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 3203L Pathogenic Microbiology 1 hr
MCB 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4503C Virology 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4344 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4235 Cancer Biology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

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, the CLAS and nine hours of Summer credit (if applicable)

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 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

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 community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Plan of Study

**Freshman Year - Fall**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

**Select 1:**
- ANT 2000 General Anthropology or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

**Select 1:**
- MAC 2253 Applied Calculus I or 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

**Select 1:**
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

**Sophomore Year - Spring**
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Select 1:**
- CGS 1060C Introduction to Computer Science or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

**Junior Year - Fall**
- 2 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

**Select 1:**
- 2 PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I 4 hrs

**Select 1:**
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

1. Or BSC 3403C.
2. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Junior Year - Spring**
- Restricted Elective 2 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

**Select 1:**
- 2 PHY 2048C Physics for Engineers and Scientists II 4 hrs

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Senior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
Senior Year - Spring

16 hrs

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)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 2065C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)

3. Core Requirements: Basic Level (6 hrs)
   MUL 2014 Introduction to Music History and Literature 3 hrs
   1 MUS 1010 Music Forum 0 hrs
   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 MUX 3XXX or MUX 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
   MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements

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

Graduation
   Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   Select primarily from upper-level courses

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Earn a grade of "C" (2.0) or better in each Music course

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
### 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

- ENC 1101 Composition I: 3 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MVK 1111 Class Piano I: 1 hr
- MUN XXXX Ensemble: 1 hr
- MUX 141X Performance I: 2 hrs
- GEP E.1 Science Foundation: 3 hrs

#### Freshman Year - Spring

- ENC 1102 Composition II: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 2360C Introduction to Music Technology: 3 hrs
- MUT 1122 Music Theory and Musicianship II: 4 hrs
- MVK 1112 Class Piano II: 1 hr
- MUN XXXX Ensemble: 1 hr
- MUX 141X Performance I: 2 hrs

#### Sophomore Year - Fall

- MUS 1010 Music Forum: 0 hrs
- MUT 2126 Music Theory and Musicianship III: 4 hrs
- MKV 2121 Class Piano III: 1 hr
- STA 1060C Fundamentals of Oral Communication: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
- MUN XXXX Ensemble: 1 hr
- XXX 1120 Foreign Language: 4 hrs

#### Sophomore Year - Spring

- MGF 1106 Finite Mathematics: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUT 2127 Music Theory and Musicianship IV: 4 hrs
- MVK 2122 Class Piano IV: 1 hr
- MUN XXXX Ensemble: 1 hr
- GEP B.1 Cultural & Historical Foundation: 3 hrs
- XXX 1121 Foreign Language: 4 hrs

#### Junior Year - Fall

- MUH 3211 Music History and Literature I: 3 hrs
- GEP B.2 Cultural & Historical Foundation: 3 hrs
- MUT 3/4XXX Music Restricted Elective: 3 hrs
- MVX 3/4XXX Non-Music Restricted Elective: 3 hrs
- 3XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### Senior Year - Fall

- GEP D.1 Social Foundation: 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective: 3 hrs
- MVX 3/4XXX Music Restricted Elective: 3 hrs
- MVK 2127 Music Theory and Musicianship IV: 4 hrs
- MVX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### Senior Year - Spring

- MUS 4900 Music BA Capstone Project: 3 hrs
- GEP D.2 Social Foundation: 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective: 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Music - Jazz Studies Track (B.M.)

#### College of Arts and Humanities

#### Department of Music, Colbourn Hall, Room: 205

#### http://www.music.ucf.edu

#### E-mail: musicaud@mail.ucf.edu

J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.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/admissionsaudition.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 Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

- This review is a pre-requisite for Performance level III.

### Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
## UCF Degree Programs

- 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.

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

#### A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### 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 MUL 2016 Evolution of Jazz 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.1 list or 1.B.2 list 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

- (may substitute a higher level math)

### 2. Common Program Prerequisites (CPP) (24 hrs)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

### 3. Core Requirements: Basic Level (6 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUL 2016 Evolution of Jazz GEP
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

- Eight semesters

### 4. Core Requirements: Advanced Level (27 hrs)
- MUH 4914 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop 3 hrs

#### Select 1: 3 hrs
- MUH 3211 Music History and Literature I or
- MUH 3212 Music History and Literature II 3 hrs

- Four semesters for total 12 hrs

### Specialty Requirements (Choose one): 27 hrs
- All courses are taken for two semesters each except restricted elective courses

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<tr>
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### 5. Restricted Electives (0 hrs)
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUIT, MVX courses numbered 3000 or higher.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

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

#### Graduation
- None

### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None
### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer competency met by the following course, or departmental examination:
  - **MUS 2360C Introduction to Music Technology** 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- **120**

### Honors In Major
- None

### Related Programs
- Music
- Music Education
- Theatre

### Certificates
- None

### Related Minors
- Digital Media
- Music
- Theatre

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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
  - MUL 2014 Introduction to Music History and Literature 3 hrs
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MVK 1111 Class Piano I 1 hr
  - MVL 141X Performance I 2 hrs

#### Freshman Year - Spring
- **17 hrs**
  - ENC 1102 Composition II 3 hrs
  - MUL 2016 Evolution of Jazz 3 hrs
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MVK 1112 Class Piano II 1 hr
  - MVL 141X Performance I 2 hrs
  - Science Foundation 3 hrs

#### Sophomore Year - Fall
- **17 hrs**
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2126 Music Theory and Musicianship III 4 hrs
  - MUT 3170 Jazz Theory I 3 hrs
  - MVK 2121 Class Piano III 1 hr
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - MVX 242X Performance II 2 hrs

#### Sophomore Year - Spring
- **14 hrs**
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MUT 3171 Jazz Theory II 3 hrs
  - MVK 2122 Class Piano IV 1 hr
  - Professional Sequence Entrance Review
  - MVX 222X Performance II 2 hrs

### Sophomore Year - Fall
- **16 hrs**
  - MUG 1104 Finite Mathematics 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - MVX 343X Performance III 3 hrs
  - MUX 3/4XXX Restricted Elective 3 hrs
  - MUX 3XXX Restricted Elective 1 hr

### Junior Year - Fall
- **16 hrs**
  - MUG 4814 Jazz Styles and Analysis 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - Social Foundation 3 hrs
  - MVX 444X Performance IV 4 hrs
  - Science Foundation 3 hrs

### Junior Year - Spring
- **13 hrs**
  - MUS 1010 Music Forum 0 hrs
  - MUS 4320 Music Business and Industry 3 hrs
  - MUS 4954 Recital Performance II 0 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - Social Foundation 3 hrs
  - MVX 444X Performance IV 4 hrs
  - Social Foundation 3 hrs

### Senior Year - Fall
- **14 hrs**
  - MUG 1104 Finite Mathematics 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 3923 Jazz Workshop 3 hrs
  - MVX 1XXX Performance I 2 hrs
  - MVX 121X Secondary Performance 1 hr

### Senior Year - Spring
- **13 hrs**
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 3170 Jazz Theory I 3 hrs
  - MVK 2121 Class Piano III 1 hr
  - MVX 1XXX Performance I 2 hrs
  - MVX 121X Secondary Performance 1 hr

### Program B: Jazz Piano, Guitar, Bass, Drum Set

#### Freshman Year - Fall
- **15 hrs**
  - ENC 1101 Composition I 3 hrs
  - MUL 2014 Introduction to Music History and Literature 3 hrs
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MVK 1111 Class Piano I 1 hr
  - MVL 141X Performance I 2 hrs

#### Freshman Year - Spring
- **17 hrs**
  - ENC 1102 Composition II 3 hrs
  - MUL 2016 Evolution of Jazz 3 hrs
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MVK 1112 Class Piano II 1 hr
  - MVX 1XXX Performance I 2 hrs
  - MVX 121X Secondary Performance 1 hr

#### Sophomore Year - Fall
- **17 hrs**
  - MUG 1104 Finite Mathematics 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 3170 Jazz Theory I 3 hrs
  - MVK 2121 Class Piano III 1 hr
  - MVX 1XXX Performance I 2 hrs

#### Sophomore Year - Spring
- **14 hrs**
  - MUN 3713 Jazz Lab 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MUT 3171 Jazz Theory II 3 hrs
  - MVK 2122 Class Piano IV 1 hr
  - Professional Sequence Entrance Review
  - MVX 2XXX Performance II 1 hr
  - Cultural & Historical Foundation 3 hrs
Students will be required to pass this evaluation before entering based on the Professional Sequence Entrance Review. 

Students will 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 Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted candidates for each instrument and voice.

Audition Requirements for Admission

Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

The audition will serve as a placement examination for acceptance into the Department of Music is conditional upon completion of a successful audition.

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.

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required MUH 3211 Music History and Literature I 3 hrs
Select one course from 1B.1 list 3 hrs
Select one course from 1B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
1 (may substitute a higher level math)

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
MVX 1111 Class Piano I 1 hr
MVK 2121 Class Piano I 1 hr
MVK 2122 Class Piano II 1 hr
MVK 2123 Class Piano III 1 hr
MVK 2124 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)

MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

MVX 242X Performance II (two semesters) 4 hrs
MVX 242X Performance II (two semesters) 4 hrs

MVU 3105 Composition III 3 hrs
MVU 4106 Composition IV 4 hrs
MVU 4950 Composition Recital 0 hrs
MUT 4311 Orchestration 3 hrs
MUT 4401 Counterpoint 3 hrs
One course selected from MUC/MUH/MUT, 3000 level or above 3 hrs
2 Two semesters for total 6 hrs
Two semesters for total 8 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

Music - Music Composition Track (B.M.)

College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205

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

E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

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 MUT 2127, Music Theory and Musicianship IV
Completion of Class Piano IV

Overall GPA of at least 3.0.

This review is a pre-requisite for Composition level III.

Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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 3211 Music History and Literature I 3 hrs
Select one course from 1B.1 list 3 hrs
Select one course from 1B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
1 (may substitute a higher level math)

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
MVX 1111 Class Piano I 1 hr
MVK 2121 Class Piano I 1 hr
MVK 2122 Class Piano II 1 hr
MVK 2123 Class Piano III 1 hr
MVK 2124 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)

MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

MVX 242X Performance II (two semesters) 4 hrs
MVX 242X Performance II (two semesters) 4 hrs

MVU 3105 Composition III 3 hrs
MVU 4106 Composition IV 4 hrs
MVU 4950 Composition Recital 0 hrs
MUT 4311 Orchestration 3 hrs
MUT 4401 Counterpoint 3 hrs
One course selected from MUC/MUH/MUT, 3000 level or above 3 hrs
2 Two semesters for total 6 hrs
Two semesters for total 8 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

Music - Music Composition Track (B.M.)

College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205

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

E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

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 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.
5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 14 hrs
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVX 141X Performance I 1 hr
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- MUC 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring 16 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUC 2104C Composition II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

1 (GEP C.1.)

Junior Year - Fall 16 hrs
- MUC 3105C Composition III 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
## UCF Degree Programs

### Junior Year - Spring 16 hrs
- MUC 3105C Composition III 3 hrs
  - MUH 3212 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 4311 Orchestration 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - MUN XXX Major Ensemble 1 hr
  - MUX 3/4XXX Restricted Elective 3 hrs

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### Senior Year - Fall 13 hrs
- MUC 4106C Composition IV 4 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 4401 Counterpoint 3 hrs
  - Social Foundation 3 hrs
  - MUX 3/4XXX Restricted Electives 3 hrs

### Senior Year - Spring 13 hrs
- MUC 4106C Composition IV 4 hrs
- MUC 4950 Composition Recital 0 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 4401 Counterpoint 3 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Music - Music Performance Track (B.M.)

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205**

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

**E-mail: musicaud@mail.ucf.edu**

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

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### Admission Requirements

**Audition Requirements for Admission**
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses: MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

### 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.

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### UCF Degree Programs

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### Music - Music Performance Track (B.M.)

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205**

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

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- This review is a pre-requisite for Performance level III.
- Completion of the following courses: MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

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### UCF Degree Programs

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### Concert Auditions

**Department of Music, Colbourn Hall, Room: 205**

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  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses: MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

### 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.

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### UCF Degree Programs

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### Concert Auditions

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  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses: MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

### 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.
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### UCF Degree Programs

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### Concert Auditions

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- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**
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  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses: MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

### 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.
Voice
MUL 3602  Song Literature and  3 hrs
MUS 1250  IPA for Singers and  1 hr
MUS 3254  Italian and French Lyric Diction and  2 hrs
MUS 3255  German and English Lyric Diction and  2 hrs
MV 4640  Voice Pedagogy and  2 hrs
MUN XXXX  Major Ensembles and  2 hrs
MUN XXXX  Minor Ensembles and  2 hrs
Foreign Language (French, German, or Italian)  8 hrs

Woodwinds
MUL 4444  Woodwind Literature and Pedagogy and  3 hrs
MUN XXXX  Major Ensembles and  2 hrs
MUN XXXX  Minor Ensembles and  4 hrs
Restricted Electives and  8 hrs
Electives  5 hrs

Brass
MUL 4443  Brass Literature and Pedagogy and  3 hrs
MUN XXXX  Major Ensembles and  2 hrs
MUN XXXX  Minor Ensembles and  4 hrs
Restricted Electives and  7 hrs
Electives  5 hrs

Percussion
MUL 3463  Percussion Literature and  2 hrs
MVP 3630  Percussion Pedagogy and  2 hrs
MUN XXXX  Major Ensembles and  2 hrs
MUN XXXX  Minor Ensembles and  4 hrs
Restricted Electives and  5 hrs

Strings
MUL 4437  String Literature and Pedagogy and  3 hrs
MUN XXXX  Major Ensembles and  2 hrs
MUN XXXX  Minor Ensembles and  4 hrs
Restricted Electives and  7 hrs
Electives  5 hrs

1 Repeat once

5. Restricted Electives (0 hrs)
- 3-15 hrs
- Choose one MUT 3XXX or MUT 4XXX course
- 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
- Special Non-Course Requirements:
  Major Ensemble Participation
  - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
  - Ensemble assignment is by the Ensemble directors.
  - Students must take Major Ensemble during each semester at UCF.
  - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  MUS 2360  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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: Strings, Woodwinds, Brass

Freshman Year - Fall 14 hrs
ENC 1101  Composition I  3 hrs
MUL 2014  Introduction to Music History and Literature  3 hrs
MUS 1010  Music Forum  0 hrs
MUT 1121  Music Theory and Musicanship I  4 hrs
MV 1111  Class Piano I  1 hr
MUN XXXX  Major Ensemble  1 hr
MV 141X  Performance I  2 hrs

Freshman Year - Spring 17 hrs
ENC 1102  Composition II  3 hrs
MUS 1010  Music Forum  0 hrs
MUS 2360C  Introduction to Music Technology  3 hrs
MUT 1122  Music Theory and Musicanship II  4 hrs
MV 1112  Class Piano II  1 hr
MUN XXXX  Major Ensemble  1 hr
MV 141X  Performance I  2 hrs
Science Foundation  3 hrs
### UCF Degree Programs

#### Sophomore Year - Fall
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<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>MUG 3104 Basic Conducting</td>
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<td>MUT 2126 Music Theory and Musicianship I</td>
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<td>MVK 2112 Class Piano III</td>
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<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX Minor Ensemble</td>
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<tr>
<td>MVX 242X Performance II</td>
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**Total:** 17 hrs

#### Sophomore Year - Spring
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<td>MGF 1106 Finite Mathematics</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUT 2127 Music Theory and Musicianship IV</td>
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<td>MVK 2122 Class Piano IV</td>
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<tr>
<td>Cultural &amp; Historical Foundation</td>
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<td>MUN XXXX Major Ensemble</td>
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<td>MVX 242X Performance II</td>
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**Total:** 15 hrs

#### Junior Year - Fall
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<td>MUG 3211 Music History and Literature I</td>
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<td>MUS 3953 Recital Performance I</td>
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<td>MVX 3/4XXX Restricted Electives</td>
<td>3 hrs</td>
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<td>MUN XXXX Major Ensemble</td>
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<tr>
<td>MUN XXXX Minor Ensemble</td>
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**Total:** 17 hrs

#### Junior Year - Spring
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<td>MUG 3212 Music History and Literature II</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUS 3953 Recital Performance I</td>
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<td>MUL 444X Literature and Pedagogy</td>
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<tr>
<td>MVX 343X Performance III</td>
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<td>MUN XXXX Minor Ensemble</td>
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**Total:** 14 hrs

#### Senior Year - Fall
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<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUS 3953 Recital Performance I</td>
<td>0 hrs</td>
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<td>MUL 444X Literature and Pedagogy</td>
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<tr>
<td>MVX 343X Performance III</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<td>MUN XXXX Restricted Elective</td>
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**Total:** 14 hrs

#### Senior Year - Spring
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<td>Free Elective</td>
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<td>Social Foundation</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<tr>
<td>MUN XXXX Restricted Elective</td>
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</table>

**Total:** 12 hrs

#### Program B: Percussion

#### Freshman Year - Fall
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<th>Course</th>
<th>Hours</th>
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<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
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<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411 Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Total:** 14 hrs

#### 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>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411 Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total:** 17 hrs

#### Program C: Piano

#### 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>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411 Piano I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVX 3/4XXX Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total:** 14 hrs

#### 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>MUS 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411 Piano I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total:** 17 hrs
Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).

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.
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
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 MUS 1010 Music Forum CPP
MUT 1121 Music Theory and Musicanship I 4 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MUT 2125 Music Theory and Musicanship III 4 hrs
MUT 2127 Music Theory and Musicanship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 241X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

1 MUS 1010 Music Forum CPP
MUT 1121 Music Theory and Musicanship I CPP
MUT 2126 Music Theory and Musicanship III CPP
MUT 2127 Music Theory and Musicanship IV CPP
MVK 2122 Class Piano IV CPP
MUN XXXX Major Ensembles (4 semesters) CPP
MVX 141X Performance I (2 semesters) CPP
MVX 242X Performance II (2 semesters) CPP

1 4 semesters

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)

MUE 3942 Music Internship I 3 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP

Music Education Prerequisites- Advanced 17 hrs
ESE 3940 Internship I - Secondary and 3 hrs
MUE 3333 Music Learning Theory and Assessment and 3 hrs
MUE 4311 Elementary School Music Methods and 2 hrs
MUG 3104 Basic Conducting and 2 hrs
MUH 3211 Music History and Literature I and 3 hrs
MUH 3212 Music History and Literature II and 3 hrs
MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and 3 hrs
EDG 4410 Teaching Strategies and Classroom Safety Issues in Schools and 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 and 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

5. Restricted Electives (26 hrs)

- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental
ESE 4943 Internship II - Secondary 7 hrs
MUE 2346 Vocal Techniques 1 hr
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MVG 3302 Instrumental Conducting and Materials 1 hr

Select 1: 3 hrs
MUE 4335 Secondary Choral Methods II or 3 hrs
MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Select 5:
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Program B - Choral
ESE 4943 Internship II - Secondary 7 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUE 4337 Secondary Instrumental Methods II 3 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MVE 4943 Music Internship II 12 hrs
MUG 3202 Choral Conducting and Materials 1 hr
MUS 1250 IPA for Singers 1 hr
MUV 4640 Voice Pedagogy 2 hrs

Select 3: 3 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Program C - Elementary School
ESE 4943 Internship II - Secondary 7 hrs
MUE 2346 Vocal Techniques 1 hr
MUE 3333 General Music Literature and Techniques 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4393 Music and Students with Special Needs 2 hrs
MUE 4394 Seminar in Music Teaching 1 hr

Select 4: 4 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Select 5:
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
UCF Degree Programs

- 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.
- 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 enroll 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 specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 134

Honors In Major
- None

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore Year.
- Take PET and Music Examination of FTCE after fall semester of Senior Year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

Freshman Year - Fall
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- MUE 2346  Vocal Techniques  1 hr
- MUS 1010  Music Forum  0 hrs
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MVK 1111  Class Piano I  1 hr
- MVX 141X  Performance I  2 hrs
- MUN XXXX  Ensemble  1 hr
- GEP  3 hrs
- CMENC/Schools

Freshman Year - Spring
- Take General Knowledge Test
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MVK 1112  Class Piano II  1 hr
- GEP  3 hrs
- GEP  3 hrs
- MVX 141X  Intro to Music Literature  3 hrs
- MUN XXXX  Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Fall
- MUS 3211  Music History and Literature I  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2126  Music Theory and Musicianship III  4 hrs
- MVK 2121  Class Piano III  1 hr
- GEP  3 hrs
- GEP  3 hrs
- MUE XXXX  Techniques  1 hr
- MUE XXXX  Techniques  1 hr
- MVX 242X  Performance II  2 hrs
- MUN XXXX  Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Spring
- Apply for Professional Program
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- MUS 3212  Music History and Literature II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MVK 2122  Class Piano IV  1 hr
- MUE XXXX  Techniques  1 hr
- MUE XXXX  Techniques  1 hr
- MVX 242X  Performance II  2 hrs
- MUN XXXX  Ensemble  1 hr
- CMENC/Schools

Junior Year - Fall
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- EDG 4323  Professional Teaching Practices  3 hrs
- MUE 4332  Secondary Instrumental Methods I  3 hrs
- MUG 3104  Basic Conducting  2 hrs
- MUS 1010  Music Forum  0 hrs
- MUE XXXX  Techniques  1 hr
- MVX 343X  Performance III  2 hrs
- MUN XXXX  Ensemble  1 hr
- CMENC/Schools

Junior Year - Spring
- EME 2040  Introduction to Technology for Educators  3 hrs
- MUS 3302  Instrumental Conducting and Materials  1 hr
- MUS 1010  Music Forum  0 hrs
- MUS 3953  Recital Performance I  0 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- SELECT 1:
  - MUE 4335  Secondary Choral Methods II or  3 hrs
  - MUE 4441  String Methods  3 hrs
- GEP  3 hrs
- MVX 343X  Performance III  2 hrs
- MUN XXXX  Ensemble  1 hr
- CMENC/Schools

Senior Year - Fall
- Take PET and Music Examination of FTCE
- ESE 3940  Internship I - Secondary  3 hrs
- MUE 3333  Music Learning Theory and Assessment  3 hrs
- MUE 4311  Elementary School Music Methods  2 hrs
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- GEP  3 hrs
- CMENC
- CMENC

Senior Year - Spring
- ESE 4943  Internship II - Secondary  7 hrs
- MUE 4349  Seminar in Music Teaching  1 hr
- GEP  3 hrs

Senior Year - Summer
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Program B - Choral Program K-12

Freshman Year - Fall
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MVK 1111  Class Piano I  1 hr
- GEP  3 hrs
- GEP  3 hrs
- MUE 4311  Elementary School Music Methods  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools

Freshman Year - Spring
- Take General Knowledge Test
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MVK 1111  Class Piano I  1 hr
- GEP  3 hrs
- MVX 141X Performance I  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Fall
- MUS 3211  Music History and Literature I  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2126  Music Theory and Musicianship III  4 hrs
- MVK 2121  Class Piano III  1 hr
- GEP  3 hrs
- GEP  3 hrs
- MUE XXXX Techniques  1 hr
- MUE XXXX Techniques  1 hr
- MVX 242X Performance II  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Spring
- Apply for Professional Program
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- MUS 3212  Music History and Literature II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MVK 2122  Class Piano IV  1 hr
- MUE XXXX Techniques  1 hr
- MUE XXXX Techniques  1 hr
- MVX 242X Performance II  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Fall
- MUS 3211  Music History and Literature I  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2126  Music Theory and Musicianship III  4 hrs
- MVK 2121  Class Piano III  1 hr
- GEP  3 hrs
- MVX 141X Performance I  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools

Sophomore Year - Spring
- MUS 3212  Music History and Literature II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MVK 2122  Class Piano IV  1 hr
- GEP  3 hrs
- MVX 242X Performance II  2 hrs
- MUN XXXX Ensemble  1 hr
- CMENC/Schools
## Sophomore Year - Spring
- **Apply for Professional Program**
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUS 3212 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MVK 2122 Class Piano IV 1 hr
  - GEP 6 hrs
  - MUE XXXX Techniques 1 hr
  - MVX 242X Performance II 2 hrs
  - MUN XXXX Ensemble 1 hr

## Sophomore Year - Fall
- **Apply for Professional Program**
  - MHU 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 2126 Music Theory and Musicianship III 4 hrs
  - MVK 2121 Class Piano III 1 hr
  - GEP 3 hrs
  - MUE XXXX Techniques 2 hrs
  - MVX 242X Performance II 2 hrs
  - MUN XXXX Ensemble 1 hr

## Junior Year - Fall
- **Apply for Professional Program**
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - EDG 4323 Professional Teaching Practices 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MVK 2121 Class Piano III 1 hr
  - MUH 3211 Music History and Literature I 3 hrs

## Junior Year - Spring
- **Apply for Professional Program**
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - MUE 4333 Secondary Choral Methods II 3 hrs
  - MGU 2306C Introduction to Music Technology 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - MUE XXXX Techniques 1 hr
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr

## Senior Year - Fall
- **Take PET and Music Examination of FTCE**
  - ESE 3940 Internship I - Secondary 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUH 3212 Music History and Literature II 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - MUE XXXX Techniques 1 hr
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr

## Senior Year - Spring
- **Take PET and Music Examination of FTCE**
  - ESE 3940 Internship I - Secondary 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUH 3212 Music History and Literature II 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - MUE XXXX Techniques 1 hr
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr

## Program C - Elementary Program
### Freshman Year - Fall
- **Take General Knowledge Test**
  - MUL 2104 Introduction to Music History and Literature 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - GEP 6 hrs
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr

### Freshman Year - Spring
- **Take General Knowledge Test**
  - MUL 2104 Introduction to Music History and Literature 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - GEP 6 hrs
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Nursing (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Ms. 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
- 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 must complete a mandatory information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the nine (9) Common Program Prerequisites must be completed by the program application deadline. This includes Chemistry with Lab, at least 2 courses from Group A, and the remainder from Groups A or B.

Chemistry with Lab 4 hrs
Take all of the following: 4 hrs
- Both required, with grade of B- (2.75) or better.
  - CHM 1032 General Chemistry and 3 hrs
  - CHM 1032L General Chemistry Laboratory 1 hr

Group A 6 hrs
- A minimum of two courses, with a grade of B- (2.75) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 3 hrs
  - Physiology with Lab 3 hrs

Group B 3 hrs
- A minimum of four courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
  - Sociology 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 community college 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

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 Community or State College or other universities, 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 1105 College Algebra 3 hrs
2. Statistics 3 hrs
   - Required STA 2014C Principles of Statistics or 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
1. Economics/Political Science 3 hrs
   - Required ECO 2023 Principles of Macroeconomics or 3 hrs
   - Required ECO 2013 Principles of Microeconomics or 3 hrs
   - Required POS 2041 American National Government 3 hrs
2. Social Sciences 3 hrs
   - Although either course satisfies General Education requirements, BOTH are required in the Common Program Prerequisites.
   - Required PSI 2012 General Psychology or 3 hrs
   - Required SYG 2000 Introduction to Sociology 3 hrs
E: Science Foundations (8 hrs)
1. Physical Sciences 4 hrs
   - Required CHM 1032 General Chemistry and 3 hrs
   - Required CHM 1032L General Chemistry Laboratory 1 hr
2. Life Sciences 4 hrs
   - Required BSC 2010C Biology I 4 hrs
2. Common Program Prerequisites (CPP) (22 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

- CHM 1032 General Chemistry GEP
- CHM 1032L General Chemistry Laboratory 1 hr
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- PCB 3703C Human Physiology 4 hrs
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

Select 1:
- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Assessing I: Human Development 3 hrs

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (62 hrs)

- Any variation from the following must be approved in advance by the College of Nursing:

  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs
  - NUR 3634 Community Health Nursing 3 hrs
  - NUR 3634L Community Health Nursing Clinical 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 3825 The Role of the Professional Nurse 2 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4257 Introduction to Critical Care Nursing 3 hrs
  - NUR 4355 Psychiatric Mental Health Nursing 3 hrs
  - NUR 4355L Psychiatric Mental Health Clinical 2 hrs
  - NUR 4637 Public Health Nursing 2 hrs
  - NUR 4637L Public Health Nursing Clinical 1 hr
  - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
  - NUR 4937L Nursing Practicum 3 hrs
  - NUR 4945L Nursing Practicum 4 hrs

5. Restricted Electives (3 hrs)

Nursing Electives
- One College of Nursing elective approved by advisor

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

- To continue in the major, 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, the CLAS and nine hours of Summer credit (if applicable)

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.
- All courses in major must be “C” (2.0) or better.

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges 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

- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any comprehensive college 4 hrs
  - DEP 2004: May substitute any Human Growth & Development across Life Span 3 hrs
  - HUN 3011: May substitute any Human Nutrition course 3 hrs
  - MCB 2004C: May substitute any Microbiology course which has a lab. 4 hrs
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II). 4 hrs
  - PSY 2012: May substitute any General Psychology course. 3 hrs
  - STA 2014C: May substitute STA2023 or equivalent. 3 hrs
  - SYG 2000: May substitute any Introductory Sociology course. 3 hrs
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II). 4 hrs
Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>13 hrs</th>
</tr>
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<tbody>
<tr>
<td>1 GEP</td>
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<tr>
<td>BSC 2010C Biology I</td>
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<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
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<td>1 General Education or SLS 1501</td>
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<tbody>
<tr>
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<tr>
<td>PSY 2012 General Psychology</td>
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<tr>
<td>2 STA 2023 Statistical Methods I</td>
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<tr>
<td>ZOO 3733C Human Anatomy</td>
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<tr>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<tr>
<td>DEP 2004 Developmental Psychology or SOW 3104 Assessing I: Human Development</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>HUN 3011 Human Nutrition</td>
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<td>MCB 2004C Microbiology for Health Professionals</td>
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<tr>
<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>NUR 3028L Essentials of Nursing Practice</td>
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<td>NUR 3028L Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
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<tr>
<td>NUR 3005 Health Assessment</td>
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<td>NUR 3065L Health Assessment Lab</td>
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<td>NUR 3634 Community Health Nursing</td>
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<td>NUR 3634L Community Health Nursing Clinical</td>
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<tr>
<td>NUR 3755L Essentials of Nursing Practice Clinical</td>
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<td>NUR 3825 The Role of the Professional Nurse</td>
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<th>16 hrs</th>
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<tr>
<td>NUR 3125 Pathophysiology for Nursing Practice</td>
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<tr>
<td>NUR 3145 Pharmacology for Nursing Practice</td>
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<tr>
<td>NUR 3225 Nursing Care of the Adult I</td>
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<td>NUR 3225L Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445 Nursing Care of Families</td>
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<td>NUR 3445L Nursing Care of Families Clinical</td>
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<th>Junior Year - Summer</th>
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<tr>
<td>NUR 3165 Nursing Research</td>
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<td>NUR 4837 Health Care Issues, Policy, and Economics</td>
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<td>NUR XXXX Nursing Elective</td>
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<tbody>
<tr>
<td>NUR 4227 Nursing Care of the Adult II</td>
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<tr>
<td>NUR 4227L Nursing Care of the Adult II: Clinical Practice</td>
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</tr>
<tr>
<td>NUR 4535 Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4257 Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4945L Nursing Practicum</td>
<td>4 hrs</td>
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<tr>
<td>NUR 4637 Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4828 Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)

**College of Nursing**

HPA-1, Room: 220

[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

E-mail: ucfnurse@mail.ucf.edu

Ms. Barbara Lange, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean

Phone: 407-823-2744

Completion program for individuals who are licensed RNs. This program is only available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All nursing courses are available online and some courses may be offered face-to-face as well. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home).

**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 (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.

- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.

- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

**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 community college AA 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 prerequisite requirements.

- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.

- 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 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)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics or STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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</table>
## UCF Degree Programs

### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>1 Required</td>
<td>General Psychology or Introduction to Sociology</td>
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</tbody>
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### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (19 hrs)

- **Required**: CHM 1032 General Chemistry or CHM 1032L General Chemistry Laboratory
  - 1 hr
- **Recommended**: MCB 2004C Microbiology for Health Professionals
  - 4 hrs
- **Recommended**: SYG 2000 Introduction to Sociology
  - 3 hrs
- **Required**: SYG 2000
  - 3 hrs
  - One of these courses is required to meet General Education requirements, but both are required program prerequisites.

### 3. Core Requirements: Basic Level (0 hrs)

- None

### 4. Core Requirements: Advanced Level (51 hrs)

<table>
<thead>
<tr>
<th>UCF Core</th>
<th>25 hrs</th>
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<tbody>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
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<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
</tr>
</tbody>
</table>

### Upper Division Credit (27 hrs)

- Upper Division Credit may be met by Validation.

### 5. Restricted Electives (6 hrs)

- Any two upper division nursing 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.

### 8. Electives

- Variable to meet degree requirements

### 9. Additional Requirements

- **Progression Requirements**:
  - Prior to NUR 3634: RN status or eligible to take NCLEX.
  - Prior to NUR 3634: Complete NUR 3634 and Statistics course with grade of "C" (2.0) or better.

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors in Major

- None

### Related Programs

- Health Services Administration
- Social Work

### Certificates

- Aging Studies
## 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:** $50 per term
- **Part-Time Student:** $25 per term

### Nursing - SCC/UCF ASN to BSN enrollment option (B.S.N.)

**College of Nursing**  
HPA-1, Room: 220  
E-Mail: ucfnurse@mail.ucf.edu  
Ms. Susan Ricci  
Phone: 407-404-6088

A partnership between Seminole State College of Florida (SSC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. 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 Seminole State College Nursing Program are eligible for this SSC/UCF enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing at SCC and must progress according to a designated plan of study.

Students not yet admitted to UCF must make application and be accepted by the University. 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 are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

At the time of application, students must have:

- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at SSC ASN Nursing program.
- An AA degree from a Florida Community College or have met ALL UCF General Education requirements at time of application.
- Met UCF Foreign Language admission requirement.
- Completed pre-requisite coursework for both the UCF and the SCC nursing programs - at time of application.
- CLAS requirement satisfied.

### 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 community college A.A. transfer advisor regarding completion of General Education Program requirements.

Students should consult with an advisor in the SCC/UCF 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 Community College or other university.

A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.

UCF Residency Requirement: 30 hours.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

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

| A: Communication Foundations (9 hrs) |
| B: Cultural & Historical Foundations (9 hrs) |
| C: Mathematical Foundations (6 hrs) |
| Prefer MAC 1105 College Algebra 3 hrs |
| Required STA 2014C Principles of Statistics or 3 hrs |
| Required STA 2023 Statistical Methods I 3 hrs |
| D: Social Foundations (6 hrs) |
| Select 1: 3 hrs |
| 1 Required PSY 2012 General Psychology or 3 hrs |
| 2 Required SYG 2000 Introduction to Sociology 3 hrs |
| Select 2: 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 |

1. One of these courses is required to meet General Education requirements, but both are required program prerequisites.

#### E: Science Foundations (7 hrs)

| Required BSC 2010C Biology I 4 hrs |
| Required CHM 1032 General Chemistry 3 hrs |
| 1 Required CHM 1032L General Chemistry Laboratory 1 hr |

1. Science Foundation is six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (19 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.

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<th>Course Title</th>
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<td>CHM 1032</td>
<td>General Chemistry</td>
<td>GEP</td>
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<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
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<td>HUN 3011</td>
<td>Human Nutrition</td>
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<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
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### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (52 hrs)

#### Core UCF Requirements (25 hrs)

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<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
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<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
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<td>NUR 3165</td>
<td>Nursing Research</td>
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<td>NUR 3634</td>
<td>Community Health Nursing</td>
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<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
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<td>NUR 3806</td>
<td>Professional Socialization Seminar</td>
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<td>NUR 4604L</td>
<td>Practicum in Community and Public Health Nursing</td>
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<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
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<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Upper Division Credit (27 hrs)
- May be met by validation

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<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>
<td>2 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: (3 hrs)
- STA 2014C  Principles of Statistics or STA 2023  Statistical Methods I
- SOW 3104  Assessing I: Human Development

#### Select 1: (3 hrs)
- DEP 2004  Developmental Psychology or GEP
- STA 2014C  Principles of Statistics or STA 2023  Statistical Methods I
- SOW 3104  Assessing I: Human Development

### 5. Restricted Electives (6 hrs)
- Any two upper division nursing electives

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

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

### Graduation
- None

### 8. Electives
- Variable to meet degree requirements

## 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Health Services Administration
- Social Work

### Certificates
- Aging Studies

### Related Minors
- Health Sciences
- Health Services Administration
- Psychology

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (31 hrs)

#### Sophomore Year - Spring
- 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 3805  Dimensions of Professional Nursing Practice 3 hrs
- NUR 3806  Professional Socialization Seminar 1 hr
- NUR 4604L  Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637  Public Health Nursing 2 hrs
- NUR 4828  Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837  Health Care Issues, Policy, and Economics 3 hrs

#### Sophomore Year - Summer
- NUR XXXX Elective 1 3 hrs

#### Junior Year - Fall
- NUR 3634  Community Health Nursing 3 hrs
- NUR 3805  Dimensions of Professional Nursing Practice 3 hrs
- NUR 3806  Professional Socialization Seminar 1 hr
- NUR 4604L  Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4828  Nursing Leadership, Management and Role Transition 3 hrs

#### Junior Year - Spring
- NUR XXXX Elective 1 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

### 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 - Accelerated Second Degree B.S.N. Option (B.S.N.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - R.N. to M.S.N. Option (B.S.N.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - A.S. to B.S.N. Track (B.S.N.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Don Jones
Dr. Jennifer Mundale
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 attain a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical 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
   C: Mathematical Foundations (6 hrs)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using MS Excel 3 hrs
   1 May substitute a higher level math

2. Social Foundations (6 hrs)
3. Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (0 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 4308 Senior Research Seminar 3 hrs
   PHI 3083 Research Methods in Philosophy 3 hrs
   PHI 3098 Senior Research Seminar 3 hrs
   1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning (6 hrs)
Select 2:
PHI 2011 Philosophical Reasoning or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2102 Critical Thinking or 3 hrs
PHI 2647 Logic and Ethics or 3 hrs
PHI 3131 Formal Logic II 3 hrs

History of Philosophy (9 hrs)
Select 2:
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 3700 American Philosophy or 3 hrs
PHI 3790 African Philosophy 3 hrs

Being and Knowing (6 hrs)
Select 2:
PHI 3701 Native American Philosophy or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs
PHI 3670 Ethical Theory or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHI 3805 Contemporary Aesthetics or 3 hrs
PHI 4633 Ethics and Biological Science or 3 hrs
PHI 3100 Freedom and Justice or 3 hrs
PHI 3123 Feminist Theories or 3 hrs
PHI 3401 Philosophy of Law or 3 hrs
PHI 4031 Environmental Philosophy 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.
HUM 4330 Performance Theory or 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3053 Philosophy, Religion, and the Environment or 3 hrs
PHI 3648 Ethical Implications of the Human Genome Project or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3750 The Problem of Evil or 3 hrs
PHI 3803 Philosophy and Creativity or 3 hrs
PHI 3941 Philosophy Practicum or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

PHI 4804  Critical Theory or 3 hrs
PHI 4931  Philosophy in the News or 3 hrs
PHI 4935  Topics in Philosophy of Mind or 3 hrs
PHP 3783  Modernity as a Philosophical Problem or 3 hrs
PHP 3786  Existentialism or 3 hrs
REL 3111  Religion and Philosophy Through Film 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.
- 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 4938  Senior Research Seminar
- PHI 4970H  Undergraduate Honors Thesis
- STA 1060C  Basic Statistics Using Microsoft Excel

Complete one of the following: 3 hrs
- PHI 4938  Senior Research Seminar
- PHI 4970H  Undergraduate Honors Thesis

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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 GOA 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
  - PHI 4970H  Undergraduate Honors Thesis

Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall  16 hrs
- ENC 1101  Composition I 3 hrs
- HUM 2210  Humanistic Tradition I 3 hrs
- MGF 1106  Finite Mathematics 3 hrs
- PHI 2010  Introduction to Philosophy 3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I 3 hrs

Freshman Year - Spring  16 hrs
- Restricted Elective 3 hrs
- ENC 1102  Composition II 3 hrs
- HUM 2230  Humanistic Tradition II 3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall  15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring  15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
## Photography (B.S.)

**College of Arts and Humanities**

**School of Visual Arts and Design**

Jason Burrell, 386-506-3944

(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-B.F.A. programs.)

The School of Visual Art and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Admission Requirements

- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3083 Research Methods in Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I | 3 hrs |
- Required ENC 1102 Composition II | 3 hrs |
- SPC 2600 Speech (A.S.) | 3 hrs |

- If not already completed as part of the A.S. degree, after acceptance into the program.

### B: Cultural & Historical Foundations (6 hrs)

- Required ARH 2051 History of Western Art I | 3 hrs |
- MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts | 3 hrs |
- Computer Science or Statistics | 3 hrs |

### C: Mathematical Foundations (6 hrs)

- If not already completed as part of the A.S. degree, after acceptance into the program.

### 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) (10 hrs)

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

### 3. Core Requirements: Basic Level (45 hrs)

- A.S. Required Courses:

  - (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 1115 Color Materials and Processes</td>
<td>7 hrs</td>
</tr>
<tr>
<td>PGY 1806 Digital Imaging</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2000 History and Aesthetics of Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2107 Large Format Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2215 Professional Studio Portraiture</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2216 Location Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 1800 Photography and the Digital Image</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2300 Field Survey of Professional Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2650 Editorial Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2470 Advanced Photography Workshop OR</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2935 Portfolio Workshop</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (36 hrs)

- 1 Required CRW 3011 Creative Writing for Non-Majors | 3 hrs |
- 1 ENC 3250 Professional Writing | 3 hrs |
- PGY 3002 Contemporary Photography | 3 hrs |
- PGY 3205C Photographic Lighting Techniques | 3 hrs |
- PGY 3276 The Professional Environment | 3 hrs |
- PGY 3651C Narrative Editorial Photography | 3 hrs |
- PGY 3653C Advanced Editorial Photography | 3 hrs |
- PGY 3703C Photography and Web Design | 3 hrs |
- PGY 3751C Videography | 3 hrs |
- PGY 3821C Advanced Digital Photography | 3 hrs |
- PGY 4003 Image, Culture, and Society | 3 hrs |
- PGY 4228C Advanced Illustrative Photography | 3 hrs |
- PGY 4471 Photography Thesis | 3 hrs |

- Only one of these two courses may be selected

### 5. Restricted Electives (6 hrs)

Select two of the following courses:

- PGY 3451C Alternative Processes | 3 hrs |
- PGY 3480 Museum and Gallery Practices | 3 hrs |
- PGY 4472C Photo Visualization | 3 hrs |
- PGY 4493C Photography and Art | 3 hrs |
- PGY 4941 Internship | 3 hrs |
- PGY 4255C Professional Photographic Workshop | 3 hrs |
UCF Degree 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) prior to graduation.

   Graduation
   ■ None

8. Electives
   ■ None

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ None

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 42 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 127

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
■ Courses taken at community colleges 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

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

Physics (B.S.)

College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks 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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
■ AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

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)
   ■ Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
   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)
   C: Mathematical Foundations (7 hrs)
   ■ Required COP 3502 Computer Science I 3 hrs
   ■ Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (4 hrs)
   1. Physical Science; 4 hrs
   ■ Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   2. Life sciences; 3 hrs
   Select from the E.2. GEP list. 3 hrs

Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
■ Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
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)
C: Mathematical Foundations (7 hrs)
■ Required COP 3502 Computer Science I 3 hrs
■ Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (4 hrs)
1. Physical Science; 4 hrs
■ Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
2. Life sciences; 3 hrs
Select from the E.2. GEP list. 3 hrs
### 2. Common Program Prerequisites (CPP) (20 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Note: These courses are considered equivalent.

or - students with little chemistry background should select this sequence.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals IA</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041C</td>
<td>Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3220</td>
<td>Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324</td>
<td>Electricity and Magnetism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605</td>
<td>Wave Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4912</td>
<td>Directed Independent Research (in area of specialization)</td>
<td>3 hrs</td>
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</table>

#### Laboratory requirements
- PHY 3802L Intermediate Physics Laboratory 6 hrs
- Select 1: 3 hrs
  - PHY 3722C Physics Laboratory-Electronics or 3 hrs
  - PHY 3752C Physics of Scientific Instruments 3 hrs

#### Directed Electives: 9 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

### 4. Core Requirements: Advanced Level (0 hrs)

- Select one specialization

#### 4.1. General Physics Specialization (18 hrs)
- PHY 4903L 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
  - EEE 5356C Fabrication of Solid-State Devices or 4 hrs
  - PHY 4803L Advanced Physics Laboratory 3 hrs
- Select 3: 9 hrs
  - CHM 3411L Physical Chemistry Laboratory or 2 hrs
  - EEE 3350 Semiconductor Devices I or 3 hrs
  - EEE 5352 Semiconductor Material and Device Characterization or 3 hrs
  - EGN 3365 Structure and Properties of Materials or 3 hrs
  - EMA 4413 Fundamentals of Electronic Materials or 3 hrs
  - PHZ 5405 Condensed Matter Physics 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)
- Select 2: 3 hrs
  - PHY 4424 Optics 6 hrs
  - EEL 4440 Optical Engineering or 3 hrs
  - OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
  - OSE 5312 Light Matter Interaction or 3 hrs
  - OSE 5414 Fundamentals of Optoelectronic Devices or 3 hrs
  - PHY 4445 Lasers 3 hrs

#### Directed Electives: 9 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

### 4.4. Computational Physics Specialization (19 hrs)
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

#### Directed Electives: 6 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

### 4.5. Astronomy Specialization (18 hrs)
- AST 2002 Astronomy 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs
- Select 2: 6 hrs
  - AST 3110 Solar System Astronomy or 3 hrs
  - AST 3211 Stellar Astrophysics or 3 hrs
  - AST 3402 Galaxies and Cosmology 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.

### 5. Restricted Electives (0 hrs)
- 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
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following or a departmental exam.
  - COP 3223 Introduction to Programming with C 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, the CLAS and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Mechanical Engineering

Certificates
- None

Related Minors
- Astronomy
- Mathematics
- Physics

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges 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://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- 14 hrs
  GEP 3 hrs
  GEP 3 hrs
  CHM 2045C Chemistry Fundamentals I 4 hrs
  MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring
- 15 hrs
  GEP 3 hrs
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- 17 hrs
  GEP 3 hrs
  GEP 3 hrs
  COP 3502C Computer Science I 3 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring
- 15 hrs
  GEP 3 hrs
  GEP 3 hrs
  MAP 2302 Differential Equations 3 hrs
  PHY 3101 Physics for Engineers and Scientists III 3 hrs
  PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs

Junior Year - Fall
- 15 hrs
  Core Course 3 hrs
  Restricted Elective 3 hrs
  PHY 3323 Electricity and Magnetism I 3 hrs
  PHY 3513 Thermal and Statistical Physics 3 hrs
  PHY 3802L Intermediate Physics Laboratory 3 hrs

Junior Year - Spring
- 14 hrs
  GEP 3 hrs
  Restricted Elective 3 hrs
  Free Elective 3 hrs
  Free Elective 3 hrs
  PHY 4605 Wave Mechanics II 3 hrs
  Physics Test-Nationally normed

Senior Year - Fall
- 15 hrs
  Free Elective 3 hrs
  Restricted Elective 3 hrs
  Restricted Elective 3 hrs
  PHY 4604 Wave Mechanics I 3 hrs
  PHY 4912 Independent Research 3 hrs

Senior Year - Spring
- 14 hrs
  GEP 3 hrs
  Restricted Elective 3 hrs
  Free Elective 2 hrs
  Free Elective 3 hrs
  PHY 4605 Wave Mechanics II 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

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://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
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
- 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 in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  POS 2041 American National Government 3 hrs
  POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
  POS 2041 American National Government 3 hrs
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 1030 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)
- GEP - Math 3 hrs
  - Prefer MGF 1106 Finite Mathematics or
  - Prefer MGF 1107 Explorations in Mathematics or
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.

GEP - Statistics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics or
- You may substitute a higher level Statistics course.

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

B: International Relations and Comparative Government Area (0 hr)

CPO 3034 Politics of Developing Areas or 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3132 Canadian Studies or 3 hrs
CPO 3403 Politics of the Middle East or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4047 Politics of the NAFTA Region or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4101 Politics of the European Union or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4303 Comparative Latin American Politics or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4553 Politics of Japan or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4794 Indigenous Politics and the Environment or 3 hrs
GEO 3471 World Political Geography or 3 hrs
IDS 4315 Global Perspectives or 3 hrs
INR 2002 International Relations-Theory and Practice or 3 hrs
INR 3016 Global Political Issues or 3 hrs
INR 3250 Politics of Pan-Africanism or 3 hrs
INR 3253 International Politics of Africa or 3 hrs
INR 4011 Politics of Globalization or 3 hrs
INR 4030 Diplomacy or 3 hrs
INR 4035 International Political Economy or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4060 Causes of War or 3 hrs
INR 4064 Changing Nature of War or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs

**Areas of Specialization**

A. American Politics and Policy Area (0 hr)
- 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 3233 Public Opinion or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- POS 3273 Voting and Elections or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POS 3424 Congress and the Legislative Process or 3 hrs
- POS 3443 Political Parties and Processes or 3 hrs
- POS 3463 Interest Groups or 3 hrs
- POS 3627 Cultural Pluralism and Law or 3 hrs
- POS 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 4246 Political Socialization or 3 hrs
- POS 4284 Judicial Process and Politics or 3 hrs
- POS 4412 Presidential Campaigning or 3 hrs
- POS 4603 American Constitutional Law or 3 hrs
- POS 4604 American Constitutional Law II or 3 hrs
- POS 4622 Politics and Civil Rights or 3 hrs
- POS 4742 Geographic Information Systems for the Political Scientist or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- PUP 3325 Women and Political Behavior or 3 hrs
- PUP 4003 American Public Policy or 3 hrs
- PUP 4204 Sustainability or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- PUP 4323 Women and Public Policy or 3 hrs
- PUP 4404 Education and Politics or 3 hrs
- PUP 4503 Government and Science or 3 hrs
- PUP 4602 Politics of Health or 3 hrs
- PUP 4744 Government and Business or 3 hrs
- PUP 4931 Topics in Public Policy or 3 hrs
UCF Degree Programs

INR 4085 Women, Gender, and Globalization or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary International Politics of Asia or 3 hrs
INR 4225 The Vietnam War or 3 hrs
INR 4243 International Politics of Latin America or 3 hrs
INR 4304 Issues in International Public Policy or 3 hrs
INR 4335 Coercion in International Politics or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4364 The Intelligence Community or 3 hrs
INR 4401 International Law I or 3 hrs
INR 4402 International Law II or 3 hrs
INR 4404 Space Law 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 or 3 hrs
POS 3253 Contemporary Revolution and Political Violence or 3 hrs
PUP 3014 Comparative Public Policy or 3 hrs
PUP 3508 Space Studies or 3 hrs
PUP 4510 Space Policy 3 hrs

C. Political Theory Area 6 hrs
INR 4603 International Relations Theory or 3 hrs
POS 4006 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs
POT 4054 Modern Political Philosophy or 3 hrs
POT 4066 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4305 The State, Society, and the Individual or 3 hrs
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4414 Marxist Political Theory or 3 hrs
POT 4632 Religion and Politics 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: Political Science: For students who excel, a limited number of internship 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.

9. Additional Requirements
None

10. Required Minors

None

11. Departmental Exit Requirements
Maintain a minimum GPA of 2.0 in the major
Before applying to graduate, the CLAS must be completely satisfied.
Computer Competency met by the following:
POS 3703 Scope and Methods of Political Science 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, the CLAS and nine hours of Summer credit (if applicable)

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

Certificates
Diplomacy

Related Minors
Economics
History
Philosophy
Psychology
Sociology

Advising Notes
None

Transfer Notes
Lower division courses taken at community colleges 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.

Freshman Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
AMH 2010 U.S. History 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
POS 2041 American National Government 3 hrs
**Political Science - Prelaw Track (B.A.)**

**College of Sciences**

Department of Political Science, Howard Phillips Hall, Room: 302

http://www.cos.ucf.edu/politicalscience

E-mail: politics@ucf.edu

Dr. Roger Handberg

Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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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.
- 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 two courses toward both programs, except the following courses:

**Departmental Residency Requirement**

- Students should consult with a departmental advisor.
- Co-op or internship credit cannot be used in this major with- out prior departmental approval.
- Students who change degree programs and select this major must adopt the most current catalog.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

**Application**

**UOF Degree Programs**

**Undergraduate Catalog 2010-2011**

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UCF Degree Programs

4. Core Requirements: Advanced Level
   POS 3703 Scope and Methods of Political Science 3 hrs
   POS 4284 Judicial Process and Politics

5. Restricted Electives
   Select one of the following four courses:
   - INR 4401 International Law I or 3 hrs
   - INR 4402 International Law II or 3 hrs
   - POS 4603 American Constitutional Law or 3 hrs
   - POS 4604 American Constitutional Law II 3 hrs

   And, select one of the following two options:
   - 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: Political Science: For students who excel, a limited number of internship 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
     - MPH 3302 Logic and Proof in Mathematics 3 hrs
     - PHI 2101 Formal Logic I 3 hrs
     - PLA 3108 Legal Research 3 hrs
     - PLA 3155 Legal Writing 3 hrs
     - POS 4941L 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
    - Before applying to graduate, the CLAS must be completely satisfied.
    - Computer Competency met by the following:
      - POS 3703 Scope and Methods of Political Science 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, the CLAS and nine hours of Summer credit (if applicable)

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
■ Criminal Justice
■ Economics
■ History
■ Legal Studies
■ Philosophy

Certificates
■ Diplomacy

Related Minors
■ Criminal Justice
■ Economics
■ English - Creative Writing
■ History
■ Legal Studies
■ Philosophy

Advising Notes
■ None

Transfer Notes
■ Lower division courses taken at community colleges 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 must still 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.

Freshman Year - Fall
   - GEP 3 hrs
   - AMH 2010 U.S. History: 1492-1877 3 hrs
   - ENC 1101 Composition I 3 hrs
   - POS 2041 American National Government 3 hrs
   - Freshman Year - Spring
     - GEP 3 hrs
     - AMH 2020 U.S. History: 1877-Present 3 hrs
     - ENC 1102 Composition II 3 hrs
     - STA 2014C Principles of Statistics 3 hrs
   - Sophomore Year - Fall
     - GEP 3 hrs
     - Restricted Elective 3 hrs
     - Supporting Elective 3 hrs
     - Foreign Language 4 hrs
     - Supporting Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
298 Undergraduate Catalog 2010-2011
### UCF Degree Programs

#### Psychology (B.S.)

**College of Sciences**

**Department of Psychology, Psychology Building, Room: 301**


**E-mail:** psychadvising@mail.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 Department Director of Undergraduate Advising, 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.
- 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)

#### Psychology (B.S.)

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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<tr>
<td>POS 3703</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4284</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>4 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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

- **Note:** Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

#### A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

#### Math: (3 hrs)

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

**Statistics:**

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

**D: Social Foundations (6 hrs)**

**Social Sciences:**

- Required PSY 2012 General Psychology (3 hrs)

**Political Science/Economics**

- Select one of the listed choices (3 hrs)

**E: Science Foundations (6 hrs)**

**Biology:** Select the advanced option if additional biology courses are planned.

- Required BSC 1005 Biological Principles or BSC 2010C Biology I (3 hrs)
- Required BSC 2010C Biology I (4 hrs)

**Physical or Chemical:** Select a listed course (3 hrs)

- Select one of the listed choices (3 hrs)

### 2. Common Program Prerequisites (CPP) (3 hrs)

- See Transfer Notes for possible substitutes for the courses listed below.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**DEP 2004** Developmental Psychology (3 hrs)

**PSY 2012** General Psychology GEP

**Biological:** (0 hr)

- Select the advanced course if additional biology courses are planned.

**Statistics:**

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

### 3. Core Requirements: Basic Level (0 hrs)

**Lower Level Core Requirements**

**PSY 2012** General Psychology GEP

**Biological:** (0 hr)

**Statistics:**

**D: Social Foundations** (6 hrs)

**3. Core Requirements: Advanced Level** (15 hrs)

**Biological:**

- Required BSC 1005 Biological Principles or BSC 2010C Biology I (3 hrs)
- Required BSC 2010C Biology I (4 hrs)

**Statistics:**

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

### 4. Core Requirements: Advanced Level (15 hrs)

**Biological:**

- Required BSC 1005 Biological Principles or BSC 2010C Biology I (3 hrs)
- Required BSC 2010C Biology I (4 hrs)

**Statistics:**

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

### 5. Restricted Electives (33 hrs)

A. Experimental: Select two of the following:

- **EXP 3204** Perception or **EXP 3404** Basic Learning Processes or **EXP 3604** Cognitive Psychology or **PSB 4240C** Neuropsychology or **PSY 3703** Psychology of Language or **PSY 4215C** Advanced Research Methods in Psychology (6 hrs)

- **PSB 3002** Physiological Psychology (3 hrs)
- **PSY 3204C** Statistical Methods in Psychology (4 hrs)
- **PSY 3213C** Research Methods in Psychology (5 hrs)
- **PSY 4604** History and Systems of Psychology (3 hrs)

- **Transfer Notes** for possible substitutions.

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

- See Transfer Notes for possible substitutes for the courses listed below.
UCF Degree Programs

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course in the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completed and satisfied.
- Computer Competency met by the following:
  - PSY 3213C Research Methods in Psychology 5 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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
- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates
- Behavioral Forensics

Related Minors
- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges 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.

<table>
<thead>
<tr>
<th>B. Personality/Social: Select one of the following:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE 3003 Personality Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3004 Social Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Developmental: Select one of the following:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004 Developmental Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 3202 Psychology of Exceptional Children or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 3464 Psychology of Aging</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. Diversity: Select one of the following:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3184 Women’s Mental Health or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3723 Cross Cultural Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3724 Psychology of Prejudice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742 Psychology of Women or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3784 Psychology of Diversity</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Applied: Select one of the following:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3302 Clinical Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3250 Principles of Human Factors Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INP 3004 Industrial/Organizational Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F. Psychology Electives</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTE: The following courses will NOT fulfill this requirement.</td>
<td></td>
</tr>
<tr>
<td>INP 3141C Advanced Applied Psychology or</td>
<td>1 hr</td>
</tr>
<tr>
<td>INP 3951 Industrial/Organizational Field Work or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3005 Directed Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PSY 3951 Undergraduate Field Work or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PSY 4906 Directed Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PSY 4912 Directed Independent Research</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G. Math/Science Electives: Select two of the following:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must meet the course prerequisites for any course they select. See course listing for prerequisites</td>
<td></td>
</tr>
<tr>
<td>ANT 2511 The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1050 Biology and Environment or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2011C Biology II or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4312C Marine Biology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223 Introduction to Programming with C or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2233 Concepts of Calculus or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2253 Applied Calculus I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063 Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 112I Physical Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4102 Computer Processing of Statistical Data or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4164 Statistical Methods II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV XXXX Any ENV prefix course or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO XXXX Any GEO prefix course or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB XXXX Any MCB prefix course or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO XXXX Any ZOO prefix course</td>
<td>3 hrs</td>
</tr>
</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 either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

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
- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates
- Behavioral Forensics

Related Minors
- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges 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.
Academic Learning Compacts

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

Public Administration (B.A. / B.S.)
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/bps@mail.ucf.edu
Phone: 407-823-2604

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- 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)
- Communication Foundations
  - Suggested SPC 1088 Fundamentals of Oral Communication
- Cultural & Historical Foundations (9 hrs)
- Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (21 hrs)
- None
### UCF Degree Programs

**B.A./B.S. Option**  
6 hrs  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.  
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

**5. Restricted Electives**  
(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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  
120

**Honors In Major**  
None

**Related Programs**  
- Accounting  
- Computer Science  
- Criminal Justice  
- Economics  
- Health Services Administration  
- Interpersonal/Organizational Communication  
- Legal Studies  
- Management  
- Political Science  
- Social Work

**Certificates**  
- Nonprofit Management

**Related Minors**  
- Accounting  
- Business  
- Criminal Justice  
- Economics  
- Emergency Management and Homeland Security  
- Legal Studies  
- Non-Profit Management/American Humanities National Certification Program  
- Political Science  
- Urban and Regional Planning

**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

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>Public Affairs Careers</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
</tbody>
</table>

**Select 1:**  
- ARH 2050 | History of Western Art I or | 3 hrs |
- ARH 2051 | History of Western Art II or | 3 hrs |
- LIT 2110 | World Literature I or | 3 hrs |
- LIT 2120 | World Literature II or | 3 hrs |
- MUL 2010 | Enjoyment of Music or | 3 hrs |
- PHI 210 | Introduction to Philosophy or | 3 hrs |
- REL 2300 | World Religions or | 3 hrs |
- THE 2000 | Theatre Survey | 3 hrs |

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
</tbody>
</table>

**Select 1:**  
- ANT 2000 | General Anthropology or | 3 hrs |
- PSY 212 | General Psychology or | 3 hrs |
- SYG 2000 | Introduction to Sociology | 3 hrs |

**Select 1:**  
- Free Elective | 3 hrs |
- AST 2002 | Astronomy or | 3 hrs |
- CHM 1020 | Concepts in Chemistry or | 3 hrs |
- PSC 1121 | Physical Science | 3 hrs |

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>
Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Select 1:
- Free Elective 3 hrs
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Select 1:
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- Foreign Language I or BS option 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 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
- 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

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

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@ucf.edu
Dr. W. Joseph Hall, Area Coordinator, whall@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

- Attain an overall minimum 2.25/4.00 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 School.
- Meet a grammar proficiency standard (“B” grades or better in the following courses or pass the grammar proficiency exam.) ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next Spring term.
- February 1 to be admitted the next Summer term.
- July 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 departmental permission.
- Co-op credit may be used in this major with prior approval from an RTV advisor.
- 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 Nicholson School of Communication.
- Of these 80 hours, 65 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 School of Communication to remain below the 40 credit hour maximum.
- Students seeking to change tracks once accepted into the major must re-apply to the RTV 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.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Suggested SPC 1603 Fundamentals of Technical Presentations or 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 third course from GEP B2 3 hrs
C: Mathematical Foundations (6 hrs)

Math: 3 hrs

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Required
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

Computer Science: 3 hrs

- CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)

- POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

- None

3. Core Requirements: Basic Level (12 hrs)

- These courses may be taken before applying to the major.

C. Broadcast Generalist 18 hrs

Select from the following: 5 hrs

- JOU 3004 History of American Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4322C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- 1 RTV 4906 Directed Independent Study or 1 hr
- 1 RTV 4941 Internship 1 hr

- May only apply a maximum of 3 hours to the requirement.

4. Core Requirements: Advanced Level (6 hrs)

- These courses are only available to students who have been accepted into the major.

B. Broadcast Journalism 22 hrs

Complete all of the following: 17 hrs

- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 4 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

Select from the following: 5 hrs

- MMC 4263 New Media Technologies 3 hrs
- RTV 3304C Single Camera Video Production and Editing 3 hrs
- RTV 4800 Broadcast Management or 1 hr
- 1 RTV 4941 Internship 1 hr

5. Restricted Electives (0 hrs)

- Specialization: Select one area and complete the credit hours required by that specialization.

A. Production 18 hrs

Select from the following: 18 hrs

- RTV 3210C Audio Production I or 3 hrs
- RTV 3223C Lighting for Video or 3 hrs
- RTV 3228C Studio Television Production or 4 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
- 1 RTV 3942L Practicum or 3 hrs
- RTV 4306C Television Directing or 3 hrs
- RTV 4211C Audio Production I or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- 1 RTV 4941 Internship 1 hr

- May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism 22 hrs

Complete all of the following: 17 hrs

- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 4 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

Select from the following: 5 hrs

- MMC 4263 New Media Technologies 3 hrs
- RTV 3304C Single Camera Video Production and Editing 3 hrs
- RTV 4800 Broadcast Management or 1 hr
- 1 RTV 4941 Internship 1 hr

- May only apply a maximum of 3 hours to the requirement.

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, 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 65 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 Radio-Television major, but any minor except those in the School of Communication, may be taken:
- Digital Media
- English - Writing
- Film - Cinema Studies
- 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 an overall “C” GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer competency met by the following course or departmental assessment.
  - Computer Fundamentals for Business

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Advertising/Public Relations
- Digital Media
- Digital Media - Visual Language Track
- Digital Media - Web Design Track
- Film
- Journalism
- Theatre

Certificates
- None

Related Minors
- NOTE: Minors taught within the School of Communication are not open to R/TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Mass Communication
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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 departmental advisor for alternate, new, or more appropriate selections.
- Consult the department for detailed plans of study for each specialization.

Freshman Year - Fall
- 15 hrs
- GEP
- ENC 1101 Composition I
- MGF 1107 Explorations in Mathematics
- SPC 1608 Fundamentals of Oral Communication

Sophomore Year - Fall
- 16 hrs
- Foreign Language
- GEP
- Elective / Minor
- MMC 3200 Mass Communication Law
- RTV 4403 Electronic Media, Technology, and Society

Sophomore Year - Spring
- 14 hrs
- Foreign Language
- Elective / Minor
- MMC 3420 Mass Media Research Methods
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media

Junior Year - Fall
- 15 hrs
- Restricted Elective
- GEP
- Elective / Minor
- RTV 2102 Writing for the Electronic Media

Junior Year - Spring
- 15 hrs
- Restricted Elective
- Elective / Minor
- Elective / Minor
- Elective / Minor

Senior Year - Fall
- 15 hrs
- Restricted Elective
- Restricted Elective
- Elective / Minor
- Elective / Minor

Senior Year - Spring
- 15 hrs
- Restricted Elective
- Elective / Minor
- Free Elective
- Free Elective

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration

Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575

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

Admission Requirements
- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- 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 prerequisite 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 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.

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

A: Communication Foundations (9 hrs)
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting

B: Cultural & Historical Foundations (9 hrs)
- CGS 2100C Computer Fundamentals for Business

C: Mathematical Foundations (6 hrs)
- Required
- MAC 1140 Pre-Calculus Algebra

D: Social Foundations (6 hrs)
- Select 1:
  - Suggested
  - ECO 2013 Principles of Macroeconomics
  - ECO 2023 Principles of Microeconomics
- Suggested
- ANT 2000 General Anthropology
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

E: Science Foundations (6 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
  - MAC 2233 Concepts of Calculus and
  - STA 2023 Statistical Methods I

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- CGS 2100C Computer Fundamentals for Business
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:
- Students 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
- or
  - MAC 2233 Concepts of Calculus and
  - STA 2023 Statistical Methods I

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:
- BUL 2130 Legal and Ethical Environment of Business
- ECO 2411 Quantitative Business Tools II
- FIN 3403C Business Finance
- GEB 3031 Cornerstone: Professional Skills for Business
- GEB 3031L Cornerstone Lab: Professional Skills for Business
- GEB 3375 Introduction to International Business
- ISM 3011C Essentials of Management Information Systems

4. Core Requirements: Advanced Level (9 hrs)
- MAN 3025 Management of Organizations
- MAR 3023 Marketing

5. Restricted Electives (15 hrs)

Select 5:
- FIN 3414 Intermediate Corporate Finance
- FIN 3504 Investment Analysis
- MAR 3391 Professional Selling
- REE 3614 Environmental Issues for Real Estate
- REE 4103 Real Estate Appraisal and Valuation
- REE 4203 Commercial Real Estate Finance
- REE 4204 Residential Real Estate Finance
- REE 4303 Real Estate Investment Analysis
- REE 4732 Real Estate Development
- REE 4903H Honors Directed Readings I
- REE 4933 Advanced Topics in Real Estate
- REE 4941 Internship
- REE 4970H Undergraduate Honors Thesis

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None
Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Transfer Notes
■ 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
ENC 1101 Composition I 3 hrs
MAC 1105 College Algebra 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs
Cult-Hist I 3 hrs
Elective 3 hrs

Sophomore Year - Fall
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
Science 3 hrs

Junior Year - Fall
FIN 3403C Business Finance 4 hrs
GBS 3031 Cornerstone: Professional Skills for Business 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Senior Year - Fall
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
REE Elective 3 hrs

Junior Year - Spring
ECO 3411 Quantitative Business Tools II 4 hrs
GBS 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs
REE Elective 3 hrs

Senior Year - Spring
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/acl/academic_learning_compacts.htm

Religious Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.caah.ucf.edu
E-mail: religion@mail.ucf.edu
Dr. Claudia Schippert
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 applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
Required
HUM 2210 Humanistic Tradition I 3 hrs
Required
HUM 2230 Humanistic Tradition II 3 hrs
Required
REL 2300 World Religions 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 307 Undergraduate Catalog 2010-2011
### 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.
- 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 4910 Senior Research Seminar 3 hrs
  - REL 4970H Undergraduate Honors Thesis 1 hr
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - Must Take:
    - REL 4910 Senior Research Seminar 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120
Honors In Major
- Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

Core, Elective Requirements, and Senior Seminar 36 hrs
- Same requirement as for regular majors

Honors Thesis 6 hrs
- REL 4903H Honors Directed Readings I 1 hr
- REL 4970H Undergraduate Honors Thesis 1 hr

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 Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a "B" (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 1 hr
  - REL 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Interdisciplinary Studies
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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

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<th>Freshman Year - Fall</th>
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<tr>
<td>ENC 1101</td>
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<td>MGF 1106</td>
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<tr>
<td>REL 2300</td>
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<td>SPN 1120C</td>
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<tr>
<td>STA 1060C</td>
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<table>
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<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- REL 3340 Buddhist Thought 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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
E-mail: 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
      Required MAC 1105 College Algebra 3 hrs

Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or STA 2323 Statistical Methods I 3 hrs

D: Social Foundations
Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
   Required ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)  
   \(^1\) HFT 1000  Introduction to the Hospitality and Tourism Industry  
   \(^1\) See "Common Prerequisites" in the Transfer and Transitions section (pg. 46) for more information.

3. Core Requirements: Basic Level  
   (0 hrs)

   Select 1:  
   MAC 1105  College Algebra  
   GEP  
   STA 2023  Statistical Methods I  
   GEP  

4. Core Requirements: Advanced Level  
   (55 hrs)

   Hospitality Core Requirements  
   HFT 2220  Hospitality Human Resources Management  
   3 hrs  
   HFT 2401  Hospitality Industry Financial Accounting  
   3 hrs  
   HFT 2500  Hospitality and Tourism Marketing  
   3 hrs  
   HFT 3431  Hospitality Industry Managerial Accounting  
   3 hrs  
   HFT 3444  Hospitality Information Systems  
   3 hrs  
   HFT 3540  Guest Services Management I  
   3 hrs  
   HFT 3603  Legal Environment in the Hospitality and Tourism Industry  
   3 hrs  
   HFT 4286  Hospitality Communications  
   3 hrs  
   HFT 4464  Hospitality Industry Finance  
   3 hrs  

   Internships  
   HFT 3940  Internship  
   1 hr  
   HFT 4941  Internship  
   1 hr  
   HFT 4944  Practicum  
   1 hr  

   Restaurant Management Core  
   FSS 2221C  Techniques of Food Preparation  
   4 hrs  
   FSS 3124  Supply and Procurement Management  
   3 hrs  
   HFT 3263  Restaurant Management  
   3 hrs  
   HFT 4286  Restaurant Brand Management  
   3 hrs  
   HFT 4288  Case Studies in Restaurant Management  
   3 hrs  
   HFT 4281  Restaurant Leadership Strategies and Tactics  
   3 hrs  
   HFT 4844  Sanitation in the Food Service Industry  
   3 hrs  
   HFT 4861C  Beverage Management  
   3 hrs  

   Select 5:  
   FSS 3008  Culture and Cuisine or  
   Intermediate Techniques of Food Production or  
   Corporate Contract and Managed Services Organizations or  
   Catering and Banquet Organization or  
   Food Service Marketing Advertising and Promotion Management or  
   Franchising in the Restaurant Industry or  
   History and Culture of Wine or  
   Restaurant Leadership Strategies and Tactics or  
   Hospitality Facilities Planning and Design or  
   Food, Beverage, and Labor Cost Controls or  
   Seminar in Quality Brewing and Fine Beer or  
   Advanced Wine Management or  
   Exploring Wines of the World or  
   International Gastronomy or  
   Nutrition Concepts and Issues in the Food Service Industry  
   3 hrs  

5. Restricted Electives  
   (15 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, the CLAS and nine hours of Summer credit (if applicable)

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 residency requirements, credit will be granted for transferred course work equiva-
     lent to that required in UCF’s Rosen College of Hospitality Management.
   - Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
   - A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
   - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses  
   None

Plan of Study  
   - Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall  
   15 hrs
   CGS 2100C  Computer Fundamentals for Business  
   ENC 1101  Composition I  
   HFT 1000  Introduction to the Hospitality and Tourism Industry  

Select 1:  
   ANT 2000  General Anthropology or  
   3 hrs  
   PSY 2012  General Psychology or  
   3 hrs  
   SYG 2000  Introduction to Sociology  
   3 hrs
### Science Education - Biology (B.S.)

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**


Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu

Dr. Janet Andreasson, ED 123Q, jandreass@mail.ucf.edu, 407-823-5430

Phone: 407-823-2561

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

  [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

#### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education 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)

- 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)

- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 3100 Introduction to Philosophy 3 hrs

#### C: Mathematical Foundations (6 hrs)

- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

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

#### 3. Core Requirements: Basic Level (12 hrs)

- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

#### 4. Core Requirements: Advanced Level (62 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.
UCF Degree Programs

- 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.

- 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, the CLAS and nine hours of Summer credit (if applicable)

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 (120 hrs)

Freshman Year - Fall
- 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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Internship I Block
- 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/clinicalexperiment/Internship

- SCE 3840 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements
- 25 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- SCE 4361 Programs in Teaching Science 3 hrs

Select 1:
- PCB 3073C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship II
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing 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/clinicalexperiment/
- 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

Select 1:
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions
Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer
- TSL 4080 Theory and Practice of Teaching ESL Students in Schools 3 hrs

Junior Year - Fall
- 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 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
- CHM 2045C Chemistry Fundamentals I 4 hrs
- BSC 2010C Biology I 4 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Junior Year - Summer
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall
- 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
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Chemistry (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreasan, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2581

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Meet all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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)
- 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 1114 College Trigonometry 3 hrs
- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 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 CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- Required MAC 1114 College Trigonometry 3 hrs

1 Transfer Notes: A grade of "C-" (1.75) or better is required.
3. Core Requirements: Basic Level (8 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
  BSC 2010C Biology I GEP
  CHM 2045C Chemistry Fundamentals I 4 hrs
  EDF 2130 Child and Adolescent Development for Educators 3 hrs
  MAC 1114 College Trigonometry GEP
  PSC 1121 Physical Science GEP
  PSC 1121L Physical Science Lab 1 hr

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 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 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.
  EDF 4467 Learning Theory and Assessment 3 hrs
  EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  EDF 4410 Teaching Strategies and Classroom Management 3 hrs
  EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

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/
  SCE 3940 Internship 3 hrs
  SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements 29 hrs
  BCH 4053 Biochemistry I 3 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
  CHM 3120 Analytical Chemistry 3 hrs
  CHM 3120L Analytical Chemistry Laboratory 1 hr
  CHS 3501 Introduction to Forensic Science 3 hrs
  PHY 2053C College Physics I 4 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/clinicalexp/
Freshman Year - Fall
EDF 2005 Introduction to the Teaching Profession 3 hrs
ENC 1101 Composition I 3 hrs
PSC 112I Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1114 College Trigonometry 3 hrs
Phi 2010 Introduction to Philosophy 3 hrs

Freshman Year - Summer
EME 2040 Introduction to Technology for Educators 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Fall
AMH 2010 U.S. History: 1492-1877 3 hrs
BSC 2010C Biology I 4 hrs
CHM 2046C Chemistry Fundamentals I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring
AMH 2020 U.S. History: 1877-Present 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
¹EDF 2130 Child and Adolescent Development for Educators 3 hrs

Select 1:
STA 1080C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs

¹ Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer
PHY 2053C College Physics I 4 hrs

Junior Year - Fall
CHM 2210 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
EDG 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

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 4403 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

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 4380 Science Instructional Analysis 4 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Physics (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- 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 requirement 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 (4 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
STA 1060C Basic Statistics Using Microsoft Excel or 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)
Required PSC 112I Physical Science 3 hrs

Select 1:
ANT 2511 The Human Species or Biological Principles 3 hrs
BSC 1005 Physical Science 3 hrs

¹ A grade of “C-” (1.75) or better is required.

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.

EME 2040 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, 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 (8 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr

#### 4. Core Requirements: Advanced Level (66 hrs)

**Education Core Requirements**
- 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

**Internship I Block**
- 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

**Interim Practicum**
- Students in Schools:
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

**Internship II Block**
- 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 (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

**Select 1:**
- PHY 3722C Physics Laboratory-Electronics or 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs

**Specialization Requirements**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

**Select 1:**
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

**International Electives**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**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)

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<td>MAC 2311</td>
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<tr>
<td>MAC 2313</td>
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| Select Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department. |

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<tr>
<td>EEX 4242</td>
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<td>TSL 4080</td>
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<tr>
<td>EDF 4603</td>
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<tr>
<td>RED 4043</td>
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<td>SCE 4361</td>
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<td>SCE 3940</td>
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<tr>
<td>SCE 4941</td>
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### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### UCF Degree Programs

**Social Science Education (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

http://education.ucf.edu/ssed/

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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 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) (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 SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - Required AMH 2010 U.S. History: 1492-1877 3 hrs
   - Required AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations (6 hrs)**
   - Select 1: 3 hrs
   - Prefer STA 1060C 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 (6 hrs)**
   - Prefer PSC 1121 Physical Science 3 hrs

   **Select 1: 3 hrs**
   - Prefer ANT 2511 or
   - Prefer BSC 1005 Biological Principles 3 hrs

2. **Common Program Prerequisites (CPP) (9 hrs)**

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 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 (9 hrs)
- **ECO 2013** Principles of Macroeconomics 3 hrs
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **SYG 2000** Introduction to Sociology 3 hrs

1. Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 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: 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.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis of Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### 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.

### 5. Restricted Electives (0 hrs)
- 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

#### Electives
- None

#### Additional Requirements
- None

#### 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, the CLAS and nine hours of Summer credit (if applicable)

### 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

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**Dance Club:**
- **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
- 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.
## Plan of Study (120 hrs)

**Freshman Year - Fall**
- 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**
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

**Select 1:**
- ANT 2511 The Human Species or Biology Principles of Life 3 hrs

**Freshman Year - Summer**
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Sophomore Year - Fall**
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ECO 2031 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Select 1:**
- STA 1000C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

**Sophomore Year - Spring**
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Junior Year - Fall**
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

**Junior Year - Spring**
- GEO 3471 World Political Geography 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 3940 Internship 3 hrs
- SSE 4301 Social Science Instructional Analysis 4 hrs

**Senior Year - Fall**
- 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) 3 hrs

**Senior Year - Spring**
- 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

## Social Sciences (B.S.)

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room:**
- 403
- http://sociology.ucf.edu/
- E-mail: sociology@mail.ucf.edu

Dr. H. Corzine
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.
- 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

#### Complete one of the following:
- Preferred COM 1000 Introduction to Communication or
- Suggested SPC 1603 Fundamentals of Technical Presentations or
- 1 Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

**1** Required if Communication option of the major is to be followed.

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

#### C: Mathematical Foundations (6 hrs)

**Statistics:**
- Required STA 2014C Principles of Statistics 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 3 hrs

### D: Social Foundations (6 hrs)

**Select the following course:**
- Required POS 2041 American National Government 3 hrs

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Select one of the following, depending on the concentration to be followed.  
- Required ANT 2000 General Anthropology 3 hrs  
- Required PSY 2012 General Psychology 3 hrs  
- Required SYG 2000 Introduction to Sociology 3 hrs  

E: Science Foundations (6 hrs)  
- Required ANT 2000 General Anthropology 3 hrs  
- Required PSY 2012 General Psychology 3 hrs  
- Required SYG 2000 Introduction to Sociology 3 hrs  

2. Common Program Prerequisites (CPP) (0 hrs)  
- Common Prerequisites 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 (0 hrs)  
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP  
- Select at least three of the following, depending on concentrations to be taken:  
  - ANT 2000 General Anthropology 3 hrs  
  - POS 2041 American National Government GEP  
  - PSY 2012 General Psychology GEP  
  - SPC 1608 Fundamentals of Oral Communication GEP  
  - SYG 2000 Introduction to Sociology GEP  

4. Core Requirements: Advanced Level (57 hrs)  
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP  
- Select one methods’ course:  
  - COM 3311 Communication Research Methods GEP  
  - POS 3703 Scope and Methods of Political Science GEP  
  - PSY 3213C Research Methods in Psychology GEP  
  - SYA 4300C Research Methods 4 hrs  

Required Minors:  
- Complete the requirements for 3 Social Science minors dealing with the following areas:  
  - Only one minor may be selected from the same department or school.  
  - Anthropology 18 hrs  
  - Communication 18 hrs  
  - Political Science 18 hrs  
  - Psychology 25 hrs  
  - Sociology 18 hrs  

5. Restricted Electives (0 hrs)  
- None  

6. Capstone Requirements  
- Students will be required to take a standardized exit exam in their graduating semester.  

7. Foreign Language Requirements  
Admissions  
- Met by graduation requirement  
Graduation  
- Proficiency equivalent to one year of college instruction in a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. 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 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.  

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.  
- Before applying to graduate, the CLAS must be completely satisfied.  
- 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, the CLAS and nine hours of Summer credit (if applicable)  

Total Semester Hours Required  
- 120  

Honors In Major  
- None  
Related Programs  
- Anthropology  
- Economics  
- Interdisciplinary Studies - Liberal Arts Track  
- Political Science  
- Psychology  
- Public Administration  
- Sociology  

Certificates  
- None  
Related Minors  
- Anthropology  
- Economics  
- Interdisciplinary Studies - Liberal Arts Track  
- Political Science  
- Psychology  
- Public Administration  
- Sociology  

Advising Notes  
- Students should seek advising in the Sociology department.  
Transfer Notes  
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**
- 16 hrs
  - Foreign Language 4 hrs
  - GEP 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

**Freshman Year - Spring**
- 16 hrs
  - Foreign Language 4 hrs
  - Core Course 3 hrs
  - GEP 3 hrs
  - ENC 1102 Composition II 3 hrs
  - Statistics 3 hrs

**Sophomore Year - Fall**
- 13 hrs
  - Elective / Minor 3 hrs
  - GEP 4 hrs
  - Core Course 3 hrs
  - GEP 3 hrs

**Sophomore Year - Spring**
- 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs

**Junior Year - Fall**
- 15 hrs
  - Elective / Minor 3 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
  - Elective / Minor 3 hrs

**Senior Year - Fall**
- 15 hrs
  - Elective / Minor 3 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

**Equipment Fees**
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term

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Social Work (B.S.W.)
School of Social Work, Health and Public Affairs
Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
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 State Community College) or UCF General Education Program, Gordon Rule, and CLAS
- 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, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Select 1: MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)
   - Select 2: MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)

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

E: Science Foundations (6 hrs)
- Suggested BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- Suggested AST 2002 Astronomy or Physical Science 3 hrs
- Prefer PSC 1121

2. Common Program Prerequisites (CPP) (6 hrs)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 1005 Biological Principles GEP
- POS 2041 American National Government GEP
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or Principles of Microeconomics 3 hrs
- ECO 2023

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (45 hrs)
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3111 Assessing II: Human Systems 3 hrs
- SOW 3203 Social Work & Community Resources 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
- SOW 3352 Practice II: Interpersonal Skills in Social Work: Clinical Practice 3 hrs
- SOW 3401 Social Work Research 3 hrs
- SOW 3520 Social Work with Diverse Populations 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 4510 Field Education 9 hrs
- SOW 4522 Field Education Seminar 3 hrs
- SOW 4730 Documentation in Social Work Practice 3 hrs

Required Principles of Statistics (3 hrs)
- Choose two of the following suggested courses, or see advisor for more options:

Foreign Language or Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses:
  - 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 3061 Cultural Anthropology 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
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 3832 People and Cultures of Latin America 3 hrs
  - ASH 4404 China in 19th and 20th Centuries 3 hrs
  - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
  - ASL 4344 Introduction to Signed English and Culture of the Deaf 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - HSC 3593 HIV Disease: A Human Concern 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - JST 3401 The Jewish People I 3 hrs
  - JST 3402 The Jewish People II 3 hrs
  - JST 3820 Modern Hebrew Culture 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Latin American History II 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - SOP 3724 Psychology of Prejudice 3 hrs
  - SOP 3742 Psychology of Women 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs

5. Restricted Electives (3 hrs)
- Select three hours in consultation with faculty advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
- Cultural Diversity Requirement or Foreign Language requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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
- Public Administration
- Sociology

Certificates
- Aging Studies
- Children’s Services

Related Minors
- Aging Studies
- American Humanities
- Health Services Administration
- Non-Profit Management/American Humanities National Certification Program
- Psychology
- Sociology
Advising Notes
  □ None

Transfer Notes
  □ Community College Equivalent courses for prerequisites:
    any course in the following areas (3 hrs each): American
    Government or American National Government; Biology (Human
    Biology or Anatomy & Physiology); Economics (Microeconomics
    or Macroeconomics); Introductory Psychology; Introductory
    Sociology; Principles of Statistics

Acceptable Substitutes for Transfer Courses
  □ None

Plan of Study

Freshman Year - Fall 14 hrs
BSC 1005  Biological Principles  3 hrs
ENC 1101  Composition I  3 hrs
PAF 2102  Public Affairs Careers  2 hrs
STA 2014C  Principles of Statistics  3 hrs
Select 1:  3 hrs
PSY 2012  General Psychology or
SYG 2000  Introduction to Sociology  3 hrs

Freshman Year - Spring 15 hrs
ENC 1102  Composition II  3 hrs
MGF 1106  Finite Mathematics  3 hrs
POS 2041  American National Government  3 hrs
Select 1:  3 hrs
PSY 2012  General Psychology or
SYG 2000  Introduction to Sociology  3 hrs
Select 1:  3 hrs
MUL 2010  Enjoyment of Music or
PHI 2010  Introduction to Philosophy or
REL 2300  World Religions or
THE 2000  Theatre Survey  3 hrs

Sophomore Year - Fall 15 hrs
SOW 2020  Careers in Creating Social Change  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
Select 1:  3 hrs
ECO 2013  Principles of Macroeconomics or
ECO 2023  Principles of Microeconomics  3 hrs
Select 1:  3 hrs
AMH 2010  U.S. History: 1492-1877 or
EIH 2000  Western Civilization I or
HUM 2210  Humanistic Tradition I or
WOH 2012  World Civilization I or
Foreign Language I or Cultural Diversity  3 hrs

Sophomore Year - Spring 15 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Select 1:  3 hrs
AST 2002  Astronomy or
CHM 1020  Concepts in Chemistry or
PSC 1121  Physical Science  3 hrs
Select 1:  3 hrs
AMH 2020  U.S. History: 1877-Present or
EIH 2001  Western Civilization II or
HUM 2230  Humanistic Tradition II or
Foreign Language II or Cultural Diversity  3 hrs

Sophomore Year - Summer 6 hrs
Select 1:  3 hrs
SOW 3104  Assessing I: Human Development or
SOW 3300  Social Work & Community Resources or
SOW 3620  Social Work with Diverse Populations
SOW Elective  3 hrs

Junior Year - Fall 15 hrs
Select 1:  3 hrs
SOW 3104  Assessing I: Human Development  3 hrs
SOW 3300  Social Work & Community Resources  3 hrs
SOW 3300  Practice I: Generalist Practice in Social Work  3 hrs
Select 1:  3 hrs
Free Elective  3 hrs
STA 2014C  Principles of Statistics  3 hrs

Junior Year - Spring 15 hrs
Free Elective  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

Junior Year - Summer 9 hrs
SOW 3620  Social Work with Diverse Populations  3 hrs
SOW 4343  Macro-Level Roles and Interventions in Social Work  3 hrs
SOW Elective  3 hrs

Senior Year - Fall 18 hrs
Free Elective  3 hrs
1 SOW 4510  Field Education  3 hrs
1 SOW 4522  Field Education Seminar  3 hrs
2 SOW 4941  Internship  5 hrs
1 For Full-time students ONLY
2 For part-time students ONLY

Senior Year - Spring 12 hrs
Free Elective  3 hrs
1 SOW 4510  Field Education  3 hrs
2 SOW 4941  Internship  4 hrs
1 For part-time students ONLY
2 For part-time students ONLY

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Sociology (B.A.)
College of Sciences
Department of Sociology
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. J. Corzine, jcorzine@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
UCF Degree Programs

and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

- **None**

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- 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.
- Students should consult annually with a departmental advisor.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

- A satisfactory score in the Math Placement Test is required before enrolling in this course.
- Prefer MAC 1105 College Algebra 3 hrs

Statistics: 3 hrs

- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Social Sciences 3 hrs

Required SYG 2000 Introduction to Sociology 3 hrs

Political Science/Economics 3 hrs

Select one listed course 3 hrs

E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)** (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
- SYA 3110 Social Theory 3 hrs GEP
- SYG 2000 Introduction to Sociology GEP/CPP

3. **Core Requirements: Basic Level** (0 hrs)

SYG 2000 Introduction to Sociology GEP/CPP

4. **Core Requirements: Advanced Level** (12 hrs)

SYA 3110 Social Theory CPP
SYA 3400C Applied Social Statistics 4 hrs
SYA 4300C Research Methods 4 hrs
SYA 4450 Data Analysis 4 hrs

5. **Restricted Electives** (27 hrs)

Select from the following courses:

- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

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 three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - SYA 4450 Data Analysis 4 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American 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 taken at community colleges 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.
- Prior to enrolling in Math, take Math Placement Test — http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 16 hrs
- Foreign Language 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 16 hrs
- Free Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 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
- GEP 3 hrs
- Restricted Elective 3 hrs
- SYA 3400C Applied Social Statistics 4 hrs
- SYA 4300C Research Methods 4 hrs

Junior Year - Spring 14 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- SYA 3110 Social Theory 3 hrs
- SYA 4450 Data Analysis 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term
UCF Degree Programs

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.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 divi-
sion Spanish course.
■ Departmental Residency Requirement consists of at least
18 semester hours of regularly scheduled 3000-4000 level
courses taken from the UCF Department of Modern Languages
and Literatures.
■ Language credit by exam will not be given in courses lower
in level than those in which students are presently enrolled.
Native speakers will be allowed Credit by Examination in litera-
ture courses only.
■ Co-op or internship credit cannot be used in this major.
■ Students must see their departmental advisor to obtain
proper counseling and have their schedule approved before reg-
istering for courses in their major.
■ Courses designated in 1 (General Education Program) and
2 (Common Program Prerequisites) are usually completed in the
first 60 hours.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
  1 MGF 1106 Finite Mathematics 3 hrs
  Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  1 May substitute a higher level math
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ See “Common Prerequisites” in the Transfer and
  Transitions section for more information.
  1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
  1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
  1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
  1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level (0 hrs)
SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
  1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
  1 SPN 3420 Spanish Composition 3 hrs
  1 SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:
SPW 3100 Survey of Spanish Literature I and 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
or
SPW 3130 Survey of Latin-American Literature I and 3 hrs
SPW 3131 Survey of Latin-American Literature II 3 hrs
  1 A native or near-native Spanish speaker must substitute an alternate upper
division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)

Select one of the following 3 hrs
FOL 3730 Romance Philology 3 hrs
SPN 3852 Bilingüismo 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 4800 Spanish-American Syntax 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs

Spanish literature beyond the survey level 6 hrs
taught in Spanish

Culture and Civilization 3 hrs

Select 1: 3 hrs
SPN 4510 Spanish Civilization and Culture or 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs

Spanish 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 depart-
  ment.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or higher in at least 36 credit hours
  of upper division Spanish courses.
■ Students are required to satisfactorily complete a depart-
  mental exit exam. The exam is offered each September and
  February; students should discuss the optimal test date with
  their advisor.
■ Computer Competency met by the following or equivalent:
  CGS 1060C Introduction to Computer Science 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120
UCF Degree Programs

Honors In Major
- None

Related Programs
- French
- Modern Language Combination

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level division courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- Elective / Minor 3 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring
- Elective / Minor 4 hrs
- ENC 1102 Composition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring
- Elective / Minor 3 hrs
- BSC 1005 Biological Principles 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs

Junior Year - Fall
- Elective / Minor 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
- Elective / Minor 3 hrs
- SPN 3141 Business Spanish II 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs

Senior Year - Fall
- Elective / Minor 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs
- SPN 5705 Introduction to Spanish Linguistics 3 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs

Senior Year - Spring
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 4381 Latin-American Theatre/Poetry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/alc/academic_learning_compacts.htm

Sport and Fitness (B.S.)
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://pegasus.cc.ucf.edu/~sportfit/
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

The Sport and Fitness B.S. program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares graduates for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. Students select from five areas of specialization (i.e., Coaching; Fitness Training; Children’s Physical Activity and Movement; Physical Human Performance; or Recreation). While in the program, students complete professional certification(s) within their specialization as part of their program requirements. Students are provided with a mix of course content and practical field experiences. Students may be required to participate in courses and/or field experiences at both the UCF Orlando campus and the UCF South Lake (Clermont) Campus sites. The capstone activities of the program include two Practicums with high-quality program partners that provide invaluable hands-on knowledge and experiences in the student’s chosen field.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAS requirement.
- 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. The courses designated in 1. (General Education), 2. (Sport and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should seek an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
UCF Degree Programs

- Prior to participation in Sport and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sport and Fitness Practicum I and Practicum II to complete departmental approval and approval process of the organization with which they will be working.

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
   - Preferred SPC 1098 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
   - Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
   - Elective from GEP section B.2 3 hrs

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

   Select 1: (3 hrs)
   - Preferred STA 1060C Basic Statistics Using Microsoft Excel or
   - Preferred STA 2014C Principles of Statistics 3 hrs

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

   E: Science Foundations (7 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Preferred PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)

   - None

3. Core Requirements: Basic Level (38 hrs)

   Sport and Fitness Pre-requisite Courses (3 hrs)
   - PET 3137 Concepts & Practices in Sport and Fitness

   Sport and Fitness Co-requisite Courses (7 hrs)
   - PET 2622C Human Injuries
   - ZOO 3736C Exercise Physiology Anatomy 4 hrs

   Lower Division Electives (13 hrs)
   - Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

   Sport and Fitness Core (15 hrs)
   - PET 4312 Biomechanics 3 hrs
   - PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
   - PET 4550 Fitness Assessment 3 hrs
   - SPM 3904 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
   - SPM 4723 Legal Issues in Sport and Fitness 3 hrs

4. Core Requirements: Advanced Level (27 hrs)

   - Select one Specialization and Electives- approved by advisor

   B. Fitness Training Specialization (27 hrs)
   - PET 3361 Nutrition for Sport and Fitness 3 hrs
   - PET 3768 Group Exercise Instruction 3 hrs
   - PET 4083 Personal Training Methods 3 hrs
   - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   - PET 4351C Applied Exercise and Human Physiology 3 hrs
   - SPM 3415 Public Relations in Sport and Fitness 3 hrs

   Select 1: (3 hrs)
   - PET 3125 Fitness and Weight Management or
   - PET 3771 Strength and Conditioning Concepts 3 hrs

   C. Children’s Physical Activity & Movement (27 hrs)

   - Complete the following required courses and complete one group.

   Group 1- Education: School-Age Focus (9 hrs)
   - Note: Students must enroll in Education minor
   - EDF 4467 Learning Theory and Assessment and
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and
   - EDG 4410 Teaching Strategies and Classroom Management

   Select 1: (3 hrs)
   - RED 4043 Content Reading in Kindergarten through Grade 12 or
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

   Group 2-Coaching Children Focus (6 hrs)
   - PET 3765 Coaching Theory and
   - PET 4763 Coaching Methods and Principles 3 hrs

   Select 2: (6 hrs)
   - PEO 2624 Coaching Basketball or
   - PEO 3324 Coaching Volleyball or
   - PEO 3644 Coaching Football 3 hrs

   Group 3-Children’s Fitness Focus (15 hrs)
   - PET 3361 Nutrition for Sport and Fitness and
   - PET 3771 Strength and Conditioning Concepts and
   - PET 4215 Motivational Aspects of Athletic Performance and
   - SPM 3415 Public Relations in Sport and Fitness and
   - PET 3939 Group Exercise Instruction 3 hrs

   Group 4- Early Childhood Development Focus (12 hrs)
   - EEC 3700 Social and Emotional Development of Young Children and
   - EEC 4303 Planning Creative Activities in Early Childhood Education and
   - EEC 4604 Classroom Management and Guidance of Young Children and
   - EEC 4661 Early Childhood Education Theory and Practice

   D. Physical Human Performance Specialization (27 hrs)
   - PET 3361 Nutrition for Sport and Fitness 3 hrs
   - PET 3768 Group Exercise Instruction 3 hrs
   - PET 4083 Personal Training Methods 3 hrs
   - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   - PET 4351C Applied Exercise and Human Physiology 3 hrs
   - PET 4625 Human Injuries: Mechanisms & Prevention 3 hrs

   Select nine hours of electives (as approved by Advisor) 9 hrs
### 11. Departmental Exit Requirements
- A minimum overall GPA of 2.5.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sport and fitness event.
- Successful completion of 18 hours of Practicum Experience.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

#### Advising Notes
- None

#### Transfer Notes
- Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sport and Fitness program

#### Acceptable Substitutes for Transfer Courses
- BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sport and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

#### Plan of Study

##### Freshman Year - Fall
- 12 hrs
  - ENC 1101 Composition I 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - PSY 2012 General Psychology 3 hrs
  - Elective 3 hrs

##### Sophomore Year - Fall
- 14 hrs
  - ZOO 3736C Exercise Physiology Anatomy 4 hrs
  - Select 1: 3 hrs
    - CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel
    - STA 2014C Principles of Statistics 3 hrs
  - GEP B.1 3 hrs
    - Elective 4 hrs

##### Sophomore Year - Spring
- 16 hrs
  - BSC 2010C Biology I 4 hrs
  - ENC 1102 Composition II 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - POS 2041 American National Government 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

##### Freshman Year - Spring
- 12 hrs
  - BSC 2010C Biology I 4 hrs
  - ENC 1102 Composition II 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - POS 2041 American National Government 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

---

### F. Recreation Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>APK 3132</td>
<td>Triathlon Training and Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4002</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Fitness</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select six hours of electives (as approved by Advisor) 6 hrs

### 5. Restricted Electives (18 hrs)

#### Sport and Fitness Practica
- During the final year of the program, students will complete Practicum requirements with a Sport or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.
- In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sport and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.
- The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sport and Fitness Program. Professionalism in manner, dress and job performance 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 University 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 will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4926</td>
<td>Sport and Fitness Practicum I</td>
<td>6 hrs</td>
</tr>
<tr>
<td>PET 4925</td>
<td>Sport and Fitness Practicum II</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 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
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

---

**UNIVERSITY OF CENTRAL FLORIDA**

329 Undergraduate Catalog 2010-2011
UCF Degree Programs

Sophomore Year - Summer 6 hrs
GEP B.2 3 hrs
Elective 3 hrs

Junior Year - Fall 12 hrs
PET 4312 Biomechanics 3 hrs
PET 4550 Fitness Assessment 3 hrs
SPM 4723 Legal Issues in Sport and Fitness 3 hrs
Specialization course 3 hrs

Junior Year - Spring 15 hrs
PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
SPM 3504 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs

Senior Year - Summer 3 hrs
Specialization course 3 hrs

Senior Year - Fall 15 hrs
PET 4925 Sport and Fitness Practicum I 6 hrs
Specialization course 3 hrs
Specialization course 3 hrs
Specialization course 3 hrs

Senior Year - Spring 12 hrs
PET 4926 Sport and Fitness Practicum II 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

Statistics (B.S.)
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528

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.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
  STA 2023 Statistical Methods I 3 hrs
  STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) 39 hrs
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations 9 hrs

B: Cultural & Historical Foundations 17 hrs

C: Mathematical Foundations 7 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations 6 hrs
- Economics 3 hrs
- Students should consult with a departmental advisor.

E: Science Foundations 8 hrs
- Life Science: 4 hrs
- Physical Science: 4 hrs

2. Common Program Prerequisites (CPP) 15 hrs
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.

B: Cultural & Historical Foundations
- Required BSC 2010C Biology I or
- Required CHM 2040C Chemistry Fundamentals IA or
- Required CHM 2045C Chemistry Fundamentals I or
- Required PHY 2053C College Physics I or

C: Mathematical Foundations
- Required MAC 2311 Calculus with Analytic Geometry I or
- Required MAC 2312 Calculus with Analytic Geometry II or
- Required MAC 2313 Calculus with Analytic Geometry III or
- Required STA 2023 Statistical Methods I or

D: Social Foundations 3 hrs
- Economics 3 hrs
- Students should consult with a departmental advisor.

E: Science Foundations
- Life Science: 4 hrs
- Physical Science: 4 hrs

3. Core Requirements: Basic Level 0 hrs
- BSC 2011C Biology II or
- CHM 2045C Chemistry Fundamentals I or
- PHY 2053C College Physics I or

Select a second science course for majors: 0 hr
- CHM 2045C Chemistry Fundamentals I or
- PHY 2053C College Physics I or

4. Core Requirements: Advanced Level 43 hrs
- COP 3502C Computer Science I 3 hrs
- COP 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 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 4221 Statistical Theory I 3 hrs
- STA 4222 Statistical Theory II 3 hrs

Select 1: 4 hrs
- MAS 3105 Matrix and Linear Algebra or
- MAS 3106 Linear Algebra or

Select 1: 3 hrs
- COP 3100C Introduction to Discrete Structures or
- MHF 3302 Logic and Proof in Mathematics or
Select 4:  
- STA 3096  Statistical Graphics or 3 hrs
- STA 4173  Biostatistical Methods or 3 hrs
- STA 4183  Theory of Interest or 3 hrs
- STA 4184  Introduction to Derivative Markets or 3 hrs
- STA 4186  Theory of Derivative Pricing or 3 hrs
- STA 4222  Sample Survey Methods or 3 hrs
- STA 4502  Nonparametric Statistical Methods or 3 hrs
- STA 4504  Categorical Data Analysis or 3 hrs
- STA 4664  Statistical Quality Control or 3 hrs
- STA 4852  Applied Time Series 3 hrs

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 2233  Concepts of Calculus 3 hrs
  - MAC 2254  Applied Calculus I 3 hrs
  - MAC 2311  Calculus with Analytic Geometry 3 hrs
  - MAC 2312  Calculus with Analytic Geometry 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 3043C  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.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - STA 4102  Computer Processing of Statistical Data 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 120
UCF Degree Programs

Junior Year - Spring 16 hrs
Free Elective 3 hrs
Core Course 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
STA 4322 Statistical Theory II 3 hrs

Senior Year - Fall 15 hrs
Elective / Minor 3 hrs
Core Course 3 hrs
COT 4500 Numerical Calculus 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
STA 4102 Computer Processing of Statistical Data 3 hrs
Take SOA EXAM P (Probability).

Senior Year - Spring 15 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Technical Education and Industry Training (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 115D, jwhitema@mail.ucf.edu
Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, 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 community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- 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 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.

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)

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

Core Requirements: Basic Level (0 hrs)
- None

Core Requirements: Advanced Level (57 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- EVT 3062 Professional Role of the Vocational Teacher 3 hrs
- EVT 3305 General Methods/Testing Evaluation in Vocational Education 3 hrs
- EVT 3367 Evaluation of Vocational Instruction 3 hrs
- EVT 3502 Special Needs of Vocational Students 3 hrs
- EVT 4065 Principles and Practices of Technical Education 3 hrs
- EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs
- EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs

Select 1: (3 hrs)
- BTE 4410 Course Construction in Business Education or 3 hrs
- EVT 3312 Course Construction in Health Occupations Education or 3 hrs
- EVT 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.

Restricted Electives (18 hrs)
- With advisor’s approval

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, the CLAS and nine hours of Summer credit (if applicable)

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)
- It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1008 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- 15 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - STA 1008C Basic Statistics Using Microsoft Excel or
  - STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs
- 15 hrs

Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs
- 12 hrs

Sophomore Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs
- 12 hrs

Sophomore Year - Summer
- EVT 3502 Special Needs of Vocational Students 3 hrs
- Select 1: 3 hrs
  - EVT 3312 Course Construction in Health Occupations Education or
  - EVT 3371 Course Construction in Industrial Education 3 hrs
- Junior Year - Fall
- EVT 3365 General Methods/Testing Evaluation in Vocational Education 3 hrs
- Technical Specialization Courses 12 hrs
- Junior Year - Spring
- EVT 3367 Evaluation of Vocational Instruction 3 hrs
- EVT 3371 Course Construction in Industrial Education 3 hrs
- Senior Year - Fall
- EVT 4065 Principles and Practices of Technical Education 3 hrs
- EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs
- Senior Year - Spring
- EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs
- Upper Division Electives 6 hrs
- Senior Year - Summer
- EVT 4382 Teaching Adult Learners in Technical Programs 3 hrs
- EVT 4941 Internship 12 hrs

Senior Year - Summer
- It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

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

Theatre (B.F.A.)
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu/
Dr. Be Boyd, bbboyd@mail.ucf.edu, 407-823-2862
Dr. Bert Scott, hscott@mail.ucf.edu, 407-823-2862
Phone: 407-823-2862

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.
program requires a positive BFA Review every semester. More grades do not improve the student may be released from the program. Semesters of poor performance need not be sequenced. Students are not accepted to begin 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 Conservatory 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 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 Public University/Community College 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 web site at 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)

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2051</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2052</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2020</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Required

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
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</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>3 hrs</td>
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</table>

1 Design & Technology Students select ARH 2051. History of Western Art II

**C: Mathematical Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May substitute for a higher level math

**D: Social Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>3 hrs</td>
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</table>

1 May substitute for a higher level math
### E: Science Foundations

(6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td></td>
</tr>
<tr>
<td>TPA 2250L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

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

1. **THE 2020** Survey of Theatre for Majors  GEP
2. **TPA 2250L** Theatre Participation-Production I  1 hr
3. **TPA 3310C** Directing for Theatre I  3 hrs

### Select 1:

1. **TPP 2101** Fundamentals of Acting or  3 hrs
2. **TPP 2110C** Acting I - Introduction  3 hrs

### Select 1:

1. **TPA 2211** Stagecraft II or  3 hrs
2. **TPP 2170C** Acting II - The Actor Prepares  3 hrs

### Select one of the following sequences of courses:

TPA 2210  Stagecraft I  3 hrs

or

TPA 2201  Technical Theatre Production and  2 hrs
TPA 2201L  Technical Theatre Production Lab  1 hr

Theatre Elective  (THE, TPP, TPA Prefix)  3 hrs

1. *See Transfer Notes for possible substitutes.
2. (Design & Tech and Stage Management specializations)
3. (Acting specialization)

### 3. Core Requirements: Basic Level

(9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2081C</td>
<td>Introduction to UCF Theatre</td>
<td>0 hrs</td>
</tr>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3313</td>
<td>Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

(64 hrs)

#### Specialization: select one area

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2200C</td>
<td>Ballet I and</td>
<td></td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques and</td>
<td></td>
</tr>
<tr>
<td>TPA 2190L</td>
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<td>Acting III - Building the Character and</td>
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<td>Dialects and</td>
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<tr>
<td>TPA 4940L</td>
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Restricted Electives (see list of courses)  12 hrs

#### Select 1:

1. **TPA 2100C** Modern Dance I or  2 hrs
2. **DAA 2570C** Jazz Dance I  2 hrs

#### Select 1:

1. **DAA 4912** Directed Independent Research  1 hr
2. **THE 2025** Introduction to Theatrical Design  3 hrs
3. **THE 2000C** Theatre Design Basics and  3 hrs
4. **TPP 4193L** Theatre Participation-Production II and  1 hr
5. **TPP 3711C** Voice Production II  3 hrs
6. **TPP 3712C** Voice Production III  3 hrs

### Stage Management Specialization

(60 hrs)

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<td>TPP 3003</td>
<td>Intermediate Acting and</td>
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<td>TPP 4940L</td>
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#### Select 1:

1. **TPA 3221C** Lighting Design for Theatre I  3 hrs
2. **TPP 3260C** Sound Design for Theatre I  3 hrs

### Design & Technology Specialization

(63 hrs)

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<td>THE 4284</td>
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<td>TPA 2010C</td>
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<td>TPA 2071C</td>
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<tr>
<td>TPA 4940L</td>
<td>Theatre Internship and</td>
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</table>

#### Design Electives (see list of courses)  9 hrs

1. (1 credit course, must be taken twice)

### 5. Restricted Electives

(0 hrs)

- Choose from the following:
  1. **ARH 2050** History of Western Art I  3 hrs
  2. **DAA 3905** Directed Study  1 hr
  3. **DAA 4912** Directed Independent Research  1 hr
  4. **THE 2025** Introduction to Theatrical Design  3 hrs
  5. **THE 2250** Sex, Drugs, & the Rock and Roll Musical  3 hrs
  6. **THE 3240** Musical Theatre Survey  3 hrs
  7. **THE 3383** Taboo Theatre: Sex & Violence on Stage  3 hrs
  8. **THE 3905** Directed Independent Study  1 hr
  9. **THE 4030L** Theatre Participation-Management II  1 hr
  10. **THE 4021L** Global Theatre  3 hrs
  11. **THE 4284** Period Costume, Architecture, and Decor I  3 hrs
  12. **THE 4285** Period Costume, Architecture, and Decor II  3 hrs
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
  - TPA 3040C: Costume Design for Theatre I 3 hrs
  - TPA 3060C: Scenic Design for Theatre I 3 hrs
  - TPA 3221C: Lighting 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 “B” Theatre GPA (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 1060C, 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129

Honors In Major
- None

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 2304: Script Analysis 3 hrs
  - TPP 2301: Technical Theatre Production 2 hrs
  - TPP 2210: Stagecraft I 3 hrs

1 may use any introductory course. However, THE 2304 is a prerequisite for all Theatre courses and will 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

**Admission Requirements**

- Entrance into most 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.
- 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 UCF Conservatory 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. Semesters 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 release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study.
- We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College 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 credit from other course credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

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

   **A: Communication Foundations** (9 hrs)

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

   - Required: THE 2020 Survey of Theatre for Majors
   - Select one course from IB.1 list
   - Select one course from IB.1 or IB.2 list

   **C: Mathematical Foundations** (6 hrs)

   - Prefer MGF 1106 Finite Mathematics
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel

   1. (May substitute a higher level)

   **D: Social Foundations** (6 hrs)

   **E: Science Foundations** (6 hrs)
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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<th>Credits</th>
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<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
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<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
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<td>Technical Theatre Production Lab</td>
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<td>Theatre Participation-Production I</td>
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<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
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<td>TPP 2170C</td>
<td>Acting II - The Actor Prepares</td>
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<td>TPA 3310C</td>
<td>Directing for Theatre</td>
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<td>THE 4093L</td>
<td>Theatre Participation-Management II</td>
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<td>TPP 4142C</td>
<td>Acting Verse</td>
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<td>Auditioning</td>
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Select 1:
- (1 credit course, must be taken twice)
  - THE 4093L Theatre Participation-Management II or
  - TPP 4951L Theatre Participation-Production II or
  - TPP 4952L Theatre Participation-Performance II | 1 hr |

**Movement Electives**
- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1:
- TPP 4512C Stage Combat or
- TPP 4531C Period Movement | 2 hrs |

#### 3. Core Requirements: Basic Level

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<td>Tap Dance I</td>
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<td>DAA 2570C</td>
<td>Jazz Dance I</td>
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<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
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#### 4. Core Requirements: Advanced Level

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<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
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<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
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<td>THE 4244</td>
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<td>TPA 4400</td>
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Select 1:
- (2 hr class must be taken twice)
  - THE 4093L Theatre Participation-Management II or
  - TPP 4951L Theatre Participation-Production II or
  - TPP 4952L Theatre Participation-Performance II | 1 hr |

**Movement Electives**
- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1:
- TPP 4512C Stage Combat or
- TPP 4531C Period Movement | 2 hrs |

#### 5. Restricted Electives

- Chosen from the following
  - DAA 2100C Modern Dance I | 2 hrs |
  - DAA 2101C Modern Dance II | 2 hrs |
  - DAA 2238C World Dance | 2 hrs |
  - DAA 2521C Tap Dance II | 2 hrs |
  - DAA 3108C Modern Dance III | 2 hrs |
  - DAA 3208C Ballet III | 2 hrs |
  - DAA 3524C Tap Dance III | 2 hrs |
  - DAA 3612 Dance Improvisation/Composition I | 3 hrs |
  - DAA 3645 Choreography Practicum | 1 hr |
  - DAA 3684 Dance Performance | 1 hr |
  - DAN 3134 Dance History | 3 hrs |
  - THE 2250 Sex, Drugs, & the Rock and Roll Musical | 3 hrs |
  - THE 3313 Theatre History and Dramatic Literature III | 3 hrs |
  - THE 3383 Taboo Theatre: Sex & Violence on Stage | 3 hrs |
  - THE 4093L Theatre Participation-Management II | 1 hr |
  - THE 4212 Global Theatre | 3 hrs |
  - THE 4230 Cultural Diversity in Theatre | 3 hrs |
  - THE 4284 Period Costume, Architecture, and Decor I | 3 hrs |

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>THE 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
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<tr>
<td>THE 4423</td>
<td>Women in Theatre</td>
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<tr>
<td>THE 4543</td>
<td>Theatre for Social Change</td>
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<td>THE 5307</td>
<td>Contemporary Theatre Practice</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3195L</td>
<td>Summer Theatre/Studio/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre/Studio/Design II</td>
<td>3 hrs</td>
</tr>
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<td>TPA 3601</td>
<td>Stage Management</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4293L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
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<td>TPA 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
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<td>TPP 3197L</td>
<td>Summer Theatre/Performance</td>
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<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
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<td>TPP 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
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<td>TPP 4730C</td>
<td>Dialects</td>
<td>2 hrs</td>
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<td>TPA 4311C</td>
<td>Advanced Directing for Theatre</td>
<td>3 hrs</td>
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<td>TPP 4512C</td>
<td>Stage Combat</td>
<td>2 hrs</td>
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<tr>
<td>TPP 4730C</td>
<td>Dialects</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

1. *See Transfer Notes for possible substitutes.

**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 “B” Theatre GPA (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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 129
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<thead>
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<th>Honors In Major</th>
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</thead>
<tbody>
<tr>
<td>Related Programs</td>
<td>Film</td>
</tr>
<tr>
<td></td>
<td>Music</td>
</tr>
<tr>
<td></td>
<td>Theatre Studies</td>
</tr>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td>Dance</td>
</tr>
<tr>
<td></td>
<td>Film - Cinema Studies</td>
</tr>
<tr>
<td></td>
<td>Music</td>
</tr>
<tr>
<td></td>
<td>Theatre</td>
</tr>
<tr>
<td>Advising Notes</td>
<td>None</td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>Courses taken at community colleges 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.</td>
</tr>
<tr>
<td></td>
<td>Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.</td>
</tr>
<tr>
<td></td>
<td>Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.</td>
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<tr>
<td>Acceptable Substitutes for Transfer Courses</td>
<td>Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:</td>
</tr>
<tr>
<td></td>
<td>THE 2020 Survey of Theatre for Majors 3 hrs</td>
</tr>
<tr>
<td></td>
<td>may be substituted with:</td>
</tr>
<tr>
<td></td>
<td>THE 2304 Script Analysis 3 hrs</td>
</tr>
<tr>
<td></td>
<td>TPA 2201 Technical Theatre Production 2 hrs</td>
</tr>
<tr>
<td></td>
<td>may be substituted with:</td>
</tr>
<tr>
<td></td>
<td>TPA 2210 2 hrs</td>
</tr>
<tr>
<td></td>
<td>TPA 2201 2 hrs</td>
</tr>
<tr>
<td></td>
<td>may be substituted with:</td>
</tr>
<tr>
<td></td>
<td>TPP 3310C Directing for Theatre I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>may be substituted with:</td>
</tr>
<tr>
<td></td>
<td>TPP 2300</td>
</tr>
<tr>
<td></td>
<td>1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.</td>
</tr>
<tr>
<td>Plan of Study</td>
<td>None</td>
</tr>
<tr>
<td>Program Academic Learning Compacts</td>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
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<tr>
<td>Equipment Fees</td>
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<td>Full-Time Student: $90 per term</td>
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</tbody>
</table>

**Theatre Studies (B.A.)**
**College of Arts and Humanities**
**Department of Theatre,**
**University Tech Center, Room: 180**
**E-mail:** jwshafer@mail.ucf.edu

John Shafer
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.

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**Admission Requirements**
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. 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 web site at [www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one course from 1.B.1 list</td>
<td>3 hrs</td>
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<tr>
<td>Select one course from 1.B.2 list</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required THE 2020 Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.1 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.2 list</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

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

1. The 2020 Survey of Theatre for Majors 3 hrs
THE 2000L Theatre Participation-Management I 1 hr
THE 2304 Script Analysis 3 hrs
1. TPA 2201 Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPA 2200L Theatre Participation-Production I 1 hr
1. TPP 2101 Fundamentals of Acting 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
1. TPP 3310C Directing for Theatre I 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1. See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (0 hrs)

1. None

4. Core Requirements: Advanced Level (10 hrs)

THE 2081C Introduction to UCF Theatre 0 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1:
THE 4093L Theatre Participation-Management II 1 hr
TPA 4293L Theatre Participation-Production II 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)

Select 16 hours from the following:
THE 2025 Introduction to Theatrical Design 3 hrs
THE 2250 Sex, Drugs, and the Rock and Roll Musical 3 hrs
THE 3082 Musical Theatre Survey 3 hrs
THE 3082 Theatre Careers 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
THE 3240 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
THE 4954 Theatre Exit Critique 0 hrs

Select 1:
THE 4093L Theatre Participation-Management II 1 hr
TPA 4293L Theatre Participation-Production II 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

6. Capstone Requirements

1. 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

1. 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. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

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 Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer Competency met by the following or Computer Science Course:
  STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

1. None

Related Programs

1. Art
2. Film
3. Music
4. Theatre

Certificates

1. None
Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 3 hrs
   may be substituted with: THE 2300
   THE 2304 Script Analysis 3 hrs
   may be substituted with: THE 3305
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2210
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2200
2 TPP 2101 Fundamentals of Acting 3 hrs
   may be substituted with:
   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 will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.o eas.ucf.edu/aio/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
## 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 online “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Minors

- Accounting
- Actuarial Science
- Aerospace Studies
- African American Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Development and Education
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- French
- German
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robot Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Molecular Biology and Microbiology
- Music
- Nonprofit Management/American Humanities National Certification Program
- North American Indian Studies
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Social Sciences - Interdisciplinary
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies

### 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
- 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
- Military Science Certificate
- Nonprofit Management 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
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate

### Additional UCF Programs

- Study Abroad Programs:
  - Argentina
  - Australia
  - Austria
  - Brazil
  - Costa Rica
  - Croatia
  - Czech Republic
  - England
  - France
  - Germany
  - Honduras
  - Ireland
  - Italy
  - Japan
  - Jordan
  - Poland
  - Russia
  - Scotland
  - Spain
  - Sweden
  - Switzerland
  - The Netherlands
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration, Room: 437
http://web.bus.ucf.edu/academics/accounting/
Phone: 407-823-2871

For Business and Non-Business Majors.

Minor Admission Requirements

■ None

Other 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

Select 1:

■ May not be counted as an elective if selected as a required course.
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3361 Cost Accounting I 3 hrs

Restricted Electives

(12 hrs)

Select 4:

■ At least two courses must have either an ACG or TAX prefix.
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting I or
ACG 3361 Cost Accounting I 3 hrs
ACG 3501 Financial Accounting for Governmental and
Nonprofit Organizations or
ACG 4401C Accounting Information Systems or
ACG 4651 Auditing or
FIN 3414 Intermediate Corporate Finance or
FIN 4453 Financial Models or
ISM 3253 MIS Techniques or
ISM 4212C Database Design and Implementation or
TAX 4001 Taxation of Business Entities and
Transactions 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 community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickersn@mail.ucf.edu, 407-823-5528

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.

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 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.
■ Students need to complete the prerequisite courses.

Required Courses

(25 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 2311 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 2163 Statistical Methods II 3 hrs
STA 3164 Statistical Methods III 3 hrs
STA 3421 Statistical Theory I 3 hrs
STA 3422 Statistical Theory II 3 hrs

 Restricted Electives

■ No additional courses are required.

Foreign Language Requirements

■ No Foreign Language is required.

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
Col. Michael J. Chandler
Phone: 407-823-1247

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (16 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>AFR 1101C</td>
<td>The Air Force Today I</td>
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</tr>
<tr>
<td>AFR 1111C</td>
<td>The Air Force Today II</td>
<td>1</td>
</tr>
<tr>
<td>AFR 230C</td>
<td>The Development of Air Power I</td>
<td>1</td>
</tr>
<tr>
<td>AFR 211C</td>
<td>The Development of Air Power II</td>
<td>1</td>
</tr>
<tr>
<td>AFR 220C</td>
<td>Air Force Leadership and Management I</td>
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<tr>
<td>AFR 223C</td>
<td>Air Force Evaluation and Management II</td>
<td>3</td>
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<td>AFR 420C</td>
<td>National Security Affairs and Prep for Active Duty I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 421C</td>
<td>National Security Affairs and Prep for Active Duty II</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

- Additional courses may be used only with the prior permission of the program Director.
- AFA 2300 African American Music 3 hrs
- AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
- AFA 4105 Documenting African American Heritage and Life 3 hrs
- AFH 3100 African History to 1870 3 hrs
- AFH 3200 African History Since 1870 3 hrs
- AFH 5806 The Historiography of Slavery in Africa 3 hrs
- AMH 3403 History of the South Since 1865 3 hrs
- AMH 3572 Black American History II 3 hrs
- AML 3614 Topics in African-American Literature 3 hrs
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3398 Black/Seminole Relations 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 3520 African Art 3 hrs
- FIL 3831 Black Cinema 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- POS 4622 Politics and Civil Rights 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs
- SOP 3724 Psychology of Prejudice 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Aging Studies - Minor
College of Health and Public Affairs
School of Social Work, Health and Public Affairs, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
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. The minor may be completed as a fully web-based program.

Minor Admission Requirements
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3</td>
</tr>
</tbody>
</table>

Restriction Electives (12 hrs)

- Additional courses may be used only with the prior permission of the program Director.
- Additional courses may be used only with the prior permission of the program Director.
- AFA 2300 African American Music 3 hrs
- AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
- AFA 4105 Documenting African American Heritage and Life 3 hrs
- AFH 3100 African History to 1870 3 hrs
- AFH 3200 African History Since 1870 3 hrs
- AFH 5806 The Historiography of Slavery in Africa 3 hrs
- AMH 3403 History of the South Since 1865 3 hrs
- AMH 3572 Black American History II 3 hrs
- AML 3614 Topics in African-American Literature 3 hrs
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3398 Black/Seminole Relations 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 3520 African Art 3 hrs
- FIL 3831 Black Cinema 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- POS 4622 Politics and Civil Rights 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs
- SOP 3724 Psychology of Prejudice 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3104</td>
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</tr>
<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3</td>
</tr>
</tbody>
</table>
Other 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
  - SOW 4510 Field Education 3 hrs
  - SOW 4941 Internship 9 hrs
  - SYP 4941 Internship 3 hrs

1 For full-time students
2 For part-time students over two semesters

Restricted Electives (12 hrs)

- Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

College of Health and Public Affairs

- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges

- DEP 3464 Psychology of Aging 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor

College of Arts and Humanities

CAH Dean's Office, Room: 190
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements

- None

Other Requirements

- None

Other Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Prerequisite Courses

- None

Required Courses (9 hrs)

- Literature and Humanities 3 hrs
  - Select 1:
    - AML 3031 American Literature I or 3 hrs
    - AML 3682 Ethnic Literature in America or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4261 Literature of the South 3 hrs

- Social Sciences 3 hrs
  - Select 1:
    - POS 3413 The American Presidency or 3 hrs
    - POT 3204 American Political Thought or 3 hrs
    - SYP 3630 Race and Ethnicity or 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

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: 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.

Other 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.
### Minors

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (3 hrs)
- ANT 2000 General Anthropology

#### Restricted Electives (15 hrs)

#### A. Concentration in General Anthropology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species

#### Select 2:
Select two upper level (3000-5000) courses in Anthropology (6 hrs)

#### B. Concentration in Archaeology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture

#### Select 4:
Select four upper level (3000-5000) courses in Anthropology (12 hrs)
- ANG 5166 Problems in Maya Studies
- ANG 5167 Maya Hieroglyphs
- ANG 5228 Maya Iconography
- ANG 5822 Maya Field Research
- ANT 3106 Archaeology and Popular Culture
- ANT 3115 Archaeological Method and Theory
- ANT 3142 Old World Prehistory
- ANT 3145 Archaeology of Complex Societies
- ANT 3148 Life and Death in Ancient Egypt
- ANT 3152 Indians of the Southwest
- ANT 3158 Florida Archaeology
- ANT 3160 Americas Before Columbus
- ANT 3161 Archaeology of Mexico
- ANT 3163 Mesoamerican Archaeology
- ANT 3164 Ancient Incas
- ANT 3165 Archaeology of South America
- ANT 3168 Maya Archaeology
- ANT 3173 Archaeology of Sex
- ANT 3177 Archaeology of Caribbean Piracy
- ANT 4144 Prehistory of North America
- ANT 4153 North American Archaeology
- ANT 4180C Seminar in Laboratory Analysis
- ANT 4183 Archaeological Sciences
- ANT 4184 Mortuary Archaeology
- ANT 4824 Advanced Archaeological Fieldwork

#### C. Concentration in Physical Anthropology (15 hrs)
- ANT 2511 The Human Species

#### Select 4:
Select four upper level (3000-5000) courses in Anthropology (12 hrs)
- ANG 5742 Problems in Forensic Anthropology
- ANT 3541 Biobehavioral Anthropology
- ANT 3550 Primatology
- ANT 4184 Mortuary Archaeology
- ANT 4462 Medical Anthropology
- ANT 4467 Nutritional Anthropology
- ANT 4516 Human Biological Diversity
- ANT 4521C Forensic Anthropology
- ANT 4525C Human Osteology
- ANT 4528C Advanced Forensic Anthropology
- ANT 4586 Human Origins

#### D. Concentration in Cultural Anthropology (15 hrs)
- ANT 2410 Cultural Anthropology

#### Select 4:
Select four upper level (3000-5000) courses in Anthropology (12 hrs)
- ANG 5167 Maya Hieroglyphs
- ANG 5228 Maya Iconography
- ANG 5622 Language, Culture and Pedagogy
- ANT 3152 Indians of the Southwest

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1 or its graduate equivalent.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

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### Anthropology in Multicultural Studies - Minor

#### College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309

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

E-mail: anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

#### Minor Admission Requirements
- None

#### Other 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.
### Minors

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology or</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
</tr>
</tbody>
</table>

#### Restricted Electives (15 hrs)
- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3164 Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212 Peoples of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241 Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245 Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302 Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312 Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319 Anthropology of Diaspora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398 Black/Semiole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3541 Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 3610 Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701 Applied Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4266 Economic Anthropology, Production, Consumption, and Exchange</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4303 Anthropology of Tourism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308 Gender Issues in Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4332 People and Cultures of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4340 Caribbean Cultures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408 Culture, Disease, and Healing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4467 Nutritional Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516 Human Biological Diversity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4702 Culture, Power and Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700 Race and Ethnicity</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 or its graduate equivalent.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

### Art - Studio - Minor

#### College of Arts and Humanities

School of Visual Arts and Design, Visual Arts Building, Room: 117


Ms. Donna Mercado, 407-823-1708

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3950 Portfolio Review</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)
- Six semester hours of studio art in one area of specialization at the 3000-4000 level

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 24

### Art History - Minor

#### College of Arts and Humanities

School of Visual Arts and Design, Visual Arts Building, Room: 117


Ms. Donna Mercado, 407-823-1708

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

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4310 Italian Renaissance Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4430 19th Century Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450 20th Century Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Non-Western Course Requirement
- 3 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3520 African Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4540 Art of India</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4653 Meso American Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4200 Medieval Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4350 Baroque Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4800 Theory and Criticism of the Visual Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4871 Women in Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6 Hours of electives

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 27
Minors

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Asian Studies - Minor
College of Arts and Humanities

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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- AST 2002 Astronomy
- AST 2002L Astronomy Lab
- AST 3110 Solar System Astronomy
- AST 3211 Stellar Astrophysics
- AST 3402 Galaxies and Cosmology
- AST 3722C Techniques of Observational Astronomy
- PHY 2048C Physics for Engineers & Scientists I

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

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

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 of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted 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@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Other Requirements
- None
## Biology - Minor
### College of Sciences
#### Department of Biology, Biology, Room: 301
http://biology.cos.ucf.edu/

**E-mail:** biology@ucf.edu  
Mr. Frank Logiudice  
Phone: 407-823-2141

**Minor Admission Requirements**  
- The minor is not open to Biology or Biology Preprofessional majors.

**Other Requirements**  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 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.

<table>
<thead>
<tr>
<th>Required Courses (35 hrs)</th>
</tr>
</thead>
</table>
| 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  
| EGN 4941 Internship | 1 hr  
| PHY 2048C Physics for Engineers & Scientists I | 4 hrs  
| PHY 2049C Physics for Engineers & Scientists II | 4 hrs  

**Restricted Electives (6 hrs)**  
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

### Engineering Track (6 hrs)

<table>
<thead>
<tr>
<th>Select 1: (3 hrs)</th>
</tr>
</thead>
</table>
| EEE 5272 Biomedical Sensors or | 3 hrs  
| EES 4111C Biological Process Control or | 3 hrs  
| EIN 5248C Ergonomics or | 3 hrs  
| EMA 5584 Biomaterials or | 3 hrs  
| EML 5760 Biomechanics | 3 hrs  

### Computer Science Track (6 hrs)

<table>
<thead>
<tr>
<th>Select 1: (3 hrs)</th>
</tr>
</thead>
</table>
| CAP 5512 Evolutionary Computation or | 3 hrs  
| COT 6417 Algorithms on Strings and Sequences | 3 hrs  

### Foreign Language Requirements  
- None

### Total Semester Hours Required  
- 31

**Other Requirements**  
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

---

## Business - Minor
### College of Business Administration
#### Department of Management, Business Administration
II, Room: 101  
Undergraduate Student Services, 407-823-2184

**Minor for Non-Business Majors**

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None
Minors

**Chemistry - Minor**

**College of Sciences**

Department of Chemistry, Chemistry, Room: 117

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

E-mail: chemistry@ucf.edu

Dr. Pedro Patino, ppatino@mail.ucf.edu

**Minor Admission Requirements**

- The minor is not open to Chemistry majors.

**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 community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalence 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.
- 30 of the last 39 hours of course work must be completed in residency at UCF.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2041C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- At least one course must be selected from group I and the remaining from group I and/or II

**Group I:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4103L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 312LL</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Group II:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4200</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 28

**Coaching - Minor**

**College of Education**

Department of Child, Family and Community Sciences,

Education Building, Room: 209

Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

Phone: 407-823-6598

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PET 2622C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 2624</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 If the student has completed this course at a community college, it can be transferred into the program.
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 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 science, 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

Other Requirements
■ An overall GPA of 2.0 is required to satisfy the minor.
■ No grades below "C-" (1.75) 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 of Independent Study credit cannot be used towards the minor.

Required Courses (15 hrs)
■ Foundation Courses
■ Select from at least 4 subject areas.

Neuroscience
PSB 3002  Physiological Psychology or 3 hrs
PSB 4240C  Neuropsychology or 4 hrs
PSB 4422  Brainwaves and Behavior or 3 hrs
ZOO 3744  Neurobiology 3 hrs

Philosophy
PHI 3320  Philosophy of Mind or 3 hrs
PHI 3323  Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHI 3451  Philosophy of Psychology or 3 hrs
PHI 4341  Ways of Knowing or 3 hrs
PHI 4400  Philosophy of Science or 3 hrs
PHI 4935  Topics in Philosophy of Mind 3 hrs

Psychology
EXP 3204C  Perception or 3 hrs
EXP 3604  Cognitive Psychology or 3 hrs
EXP 4507C  Advanced Human Memory and Cognition 3 hrs

Restricted Electives
■ None

Total Semester Hours Required
■ 21

Foreign Language Requirements
■ None

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101
http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu

Required Courses (15 hrs)
■ Foundation Courses
■ Select from at least 4 subject areas.

Neuroscience
PSB 3002  Physiological Psychology or 3 hrs
PSB 4240C  Neuropsychology or 4 hrs
PSB 4422  Brainwaves and Behavior or 3 hrs
ZOO 3744  Neurobiology 3 hrs

Philosophy
PHI 3320  Philosophy of Mind or 3 hrs
PHI 3323  Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHI 3451  Philosophy of Psychology or 3 hrs
PHI 4341  Ways of Knowing or 3 hrs
PHI 4400  Philosophy of Science or 3 hrs
PHI 4935  Topics in Philosophy of Mind 3 hrs

Psychology
EXP 3204C  Perception or 3 hrs
EXP 3604  Cognitive Psychology or 3 hrs
EXP 4507C  Advanced Human Memory and Cognition 3 hrs

Restricted Electives
■ 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 require prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101
http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.
## Minors

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (24 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1</td>
</tr>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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 toward the minor.

### Community Arts - PAVE - Minor

**College of Arts and Humanities**

School of Visual Arts and Design, Visual Arts Building, Room: 117

http://www.svad.ucf.edu/

E-mail: svad@mail.ucf.edu

Janet Kilbride, 407-823-2676

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3103</td>
<td>Computer Logic and Organization</td>
<td>3</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures or Foundations of Discrete Math</td>
<td>3</td>
</tr>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3</td>
</tr>
</tbody>
</table>

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 19

### Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used toward the minor.

### Criminal Justice - Minor

**College of Health and Public Affairs**

Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311

E-mail: cjadvice@mail.ucf.edu

Mary Ann Eastep, 407-823-2603

### Minor Admission Requirements
- None

### Other Requirements
- None
Dance - Minor

College of Arts and Humanities
Department of Theatre, UTC, Room: 180

http://www.theatre.ucf.edu

Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

Minor Admission Requirements

- A successful audition - contact department for audition dates.
- 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.

Prerequisite Courses

- None

Required Courses

- (6 hrs)
  - CCJ 3014 Crime in America
  - CCJ 3024 Criminal System

Restricted Electives

- (12 hrs)
  - Select 2: 6 hrs
    - CJC 3010 Corrections and Penology or
    - CJE 4014 Police and Society or
    - CJL 3510 Prosecution and Adjudication
    - Six semester hours of Criminal Justice courses (selected with aid of an advisor)

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum of 3 different dance styles must be completed in
  - Participation on a minimum of one departmental dance concert.
  - A minimum of 3 different dance styles must be completed in the minor.

Digital Media - Minor

College of Arts and Humanities
School of Visual Arts and Design

http://www.svad.ucf.edu

E-mail: svad@mail.ucf.edu

Phone: 407-823-6100

Minor Admission Requirements

- None

Prerequisite Courses

- None

Required Courses

- (13 hrs)
  - COP 2500C Concepts in Computer Science
  - DIG 2000 Introduction to Digital Media
  - DIG 3138C Digital Imagery
  - DIG 3716C Internet Interaction
  - DIG 4324C Modeling for Realtime Systems II
  - DIG 4455 Interactive Performance II
  - DIG 4503 Rapid Application Web Development
  - DIG 4530C Media for e-Commerce
  - DIG 4563C Media Business Practices
  - DIG 4713C Game Design
  - DIG 4715C Game Production
  - DIG 4780C Modeling for Realtime Systems

Restricted Electives

- (6 hrs)
  - Select two courses:
    - Or - any 3000 or 4000 level courses approved by the
      - Entrepreneurship
      - Business Administration
      - Game Design
      - Game Production
      - Game Programming
      - Media Business Practices
      - Media Production
      - Modeling for Realtime Systems

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

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.
- 12 hours used in the minor must be taken at UCF.
- 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.
Minors

Early Childhood Development and Education - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.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. The minor is appropriate for students who are seeking an enhanced understanding of education 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 the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post-secondary institution, including completion of the CLAS requirement or alternatives.
- 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.

Other Requirements
- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Math Curriculum and Assessment in Early Childhood 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEX 4300 Early Childhood Education Theory and Practice 3 hrs
- EEX 3400 Early Childhood Education Theory and Practice 3 hrs

Restricted Electives (3 hrs)
Choose one:
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

Economics - Minor

College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA 302U, 407-823-4129
Dr. Nora Underwood, BA 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Select 1:
  - ECO 3101 Intermediate Microeconomics or 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
- 9 hrs
  - Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
  - Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
  - ECO 3101 Intermediate Microeconomics 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor

College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
Dr. William Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education 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. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Safety Issues in Schools</td>
<td></td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Select one
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Naim Kapucu, 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 expecta-
tions of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4110</td>
<td>Intergovernmental Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery</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>
</tbody>
</table>

Restricted Electives (3 hrs)

- Select one
  - DSC 4012 Terrorism or 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, paule@email.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.

Other Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses (12 hrs)
EGN 4824 Energy and Society 3 hrs
IDS 3150 Foundations of Environmental Studies 3 hrs
IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1:
GE 4152 Technological Entrepreneurship or 3 hrs
1 IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:
  
  Energy Systems Design 0 hr
  EEL 4216 Fundamentals of Electric Power Systems or 3 hrs
  EML 4411 Mechanical Power Systems or 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 0 hr
  ENV 3001 Introduction to Environmental Engineering or 3 hrs
  ENV 4120 Air Pollution Control or 3 hrs
  ENV 4341 Solid & Hazardous Waste Management or 4 hrs
  ENV 4561 Environmental Engineering - Process Design 4 hrs

  Business and Public Policy 0 hr
  ECP 3302 Economics and the Environment or 3 hrs
  ECP 4303 Environmental and Natural Resource Economics or 3 hrs
  REE 3614 Environmental Issues for Real Estate 3 hrs

  Social and Ethical Dimensions 0 hr
  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

Mr. Kevin Cooley
Phone: 407-823-2204

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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
EGN 3613 Engineering Economic Analysis 2 hrs
EGN 4624 Engineering Administration 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 4191C Engineering Leadership Seminar I 2 hrs
EIN 4192C Engineering Leadership Seminar II 2 hrs
Two Engineering Design courses 6 hrs

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.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other 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  
CRW 3311 Structure of Verse  3 hrs  
CRW 3950 Cypress Dome Editorship  3 hrs  
CRW 4014 The Writing Life  3 hrs  
CRW 4114 History of Prose Style  3 hrs  
CRW 4722 Editing for Creative Writers  3 hrs  
CRW 4724 The Florida Review  3 hrs  
CRW 6806C Teaching Creative Writing  3 hrs  
ENC 3310 Magazine Writing I  3 hrs  
ENC 3311 Advanced Expository 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.cah.ucf.edu/  
E-mail: english@mail.ucf.edu  
Dr. David Wallace, 407-823-2212

Minor Admission Requirements  
■ None

Other 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)  
ANT 3650 Language and Culture  3 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  
PHI 4221 Philosophy of Language  3 hrs  
PHI 4400 Philosophy of Science  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.cah.ucf.edu/  
E-mail: english@mail.ucf.edu  
Dr. David Wallace, 407-823-2212

Minor Admission Requirements  
■ None

Other Requirements  
■ None

Prerequisite Courses  
■ None

Required Courses (3 hrs)  
1 ENG 3014 Theories and Techniques of Literature Study  3 hrs  
1 PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives (18 hrs)  
■ English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements  
■ None

Total Semester Hours Required  
■ 21

Other Requirements  
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.  
■ At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.  
■ No credit by exam (TSD, Military credit) may be used.  
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor  
College of Arts and Humanities  
Department of English, Colbourn Hall, Room: 405  
http://english.cah.ucf.edu/  
E-mail: english@mail.ucf.edu  
Dr. David Wallace, 407-823-2212

Minor Admission Requirements  
■ None

Other Requirements  
■ None

Prerequisite Courses  
■ None

Required Courses (18 hrs)  
ENC 3241 Writing for the Technical Professional  3 hrs  
ENC 4215 Technical Publication and Project Management  3 hrs  
ENC 4218 The Visual in Technical Documentation  3 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  
Or any course approved by the department 3 hrs

Restricted Electives  
■ None

Foreign Language Requirements  
■ None
Minors

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 - Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs
  - CRW 3120 Fiction Writing Workshop 3 hrs
  - CRW 3211 Creative Nonfiction Writing 3 hrs
  - CRW 3310 Poetry Writing Workshop 3 hrs
  - CRW 3311 Structure of Verse 3 hrs
  - CRW 3610 Writing Scripts 3 hrs
  - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
  - CRW 4223 Science Fiction Writing 3 hrs
  - CRW 4224 Advanced Nonfiction Workshop 3 hrs
  - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
  - CRW 4616 Advanced Scriptwriting Workshop 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3310 Magazine Writing I 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

Please note that students will be allowed to take only two of the following courses: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, or CRW 4616

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements
- None

Other Requirements
- None

Required Courses (18 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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 an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements
- None

Other Requirements
- None
Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

Non-Business Majors

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses

Required Introductory Courses 11 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

Select 1: 3 hrs
GEB 3113 How to Start a Business or
MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses 9 hrs
GEB 4110 Business Plan Preparation 3 hrs
GEB 4111 New Venture Finance 3 hrs

Select 1: 3 hrs
GEB 4152 Technological Entrepreneurship or
MAN 4802 Entrepreneurship 3 hrs

Environmental Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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

Other 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 (3 hrs)
IDS 3150 Foundations of Environmental Studies

Restricted Electives (18 hrs)

Science & Environmental Electives 9 hrs
BOT 3152C Local Flora 3 hrs
BOT 3902 Ethnobotany 3 hrs
BOT 4156C Florida Wildflowers 4 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4686C Conservation and Management of Native Plants 4 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Marine Biology 4 hrs

Restricted Electives 3 hrs
GEB 4152 Technological Entrepreneurship 3 hrs
MAN 4802 Entrepreneurship 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 20
### Minors

**Social & Humanities Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4701</td>
<td>Seminar in Global Economic Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 2370</td>
<td>Resources Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4031C</td>
<td>Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>Ethics and Biological Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 4051</td>
<td>Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4554</td>
<td>Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3203</td>
<td>Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4204</td>
<td>Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4503</td>
<td>Government and Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Only one of these two courses may be used to fulfill these restricted electives.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- At least 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

**European Studies - Minor**

**College of Sciences**

**Department of Political Science, Howard Phillips Hall, Room: 302**

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

**E-mail: 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

**Other Requirements**

- A grade of “C” (2.0) or better is required for all courses counting toward 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4101</td>
<td>Politics of the European Union</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3082</td>
<td>Continental European Fiction Since 1900</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- Any course substitutions are subject to prior approval by the director.

**Literature, Film, and Culture:**

- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

**Select at least 3 credits from this grouping:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERL 2022</td>
<td>English Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ERL 4101</td>
<td>English Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ERL 4240</td>
<td>English Romantic Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ERL 4262</td>
<td>Nineteenth Century British Prose or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ERL 4273</td>
<td>Modern British Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820</td>
<td>Italian Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3822</td>
<td>French Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3823</td>
<td>German Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4500</td>
<td>French Civilization and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 4281</td>
<td>20th Century French Novels or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 4324</td>
<td>20th Century French Drama or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 4532</td>
<td>French Romanticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 4552</td>
<td>Nineteenth Century French Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3102</td>
<td>Germany - Past to Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 4520</td>
<td>Modern Germany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3101</td>
<td>Survey of German Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3370</td>
<td>Short Story or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3480</td>
<td>German Post-War Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 4482</td>
<td>German Children's Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 4531</td>
<td>The Age of Goethe and Schiller or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITT 4956</td>
<td>Study Abroad: Modern and Contemporary Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITW 5310</td>
<td>Italian Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4184</td>
<td>Irish Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 3604</td>
<td>German Song Literature or</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUL 3605</td>
<td>French Song Literature or</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3370</td>
<td>Spanish Short Story or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4272</td>
<td>20th Century Spanish Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4322</td>
<td>Contemporary Iberian Theatre or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4450</td>
<td>Spanish Literary Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4460</td>
<td>Nineteenth Century Spanish Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4720</td>
<td>The Generation of 1898</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**History**

- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

**Select at least 6 credits from this grouping:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHU 3235</td>
<td>Romanticism and Realism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3242</td>
<td>Modern Europe and the First World War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3281</td>
<td>Second World War and Rebirth of Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3315</td>
<td>History of Modem Spain or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3411</td>
<td>Ancient Rome or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3431</td>
<td>History of Modern Italy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 3451</td>
<td>History of Modern France or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4284</td>
<td>Fascism and Nazism in the Intervar Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4400</td>
<td>The History of Ancient Greece or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4465</td>
<td>Hitler's Third Reich or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4501</td>
<td>English History: 1485-1815 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4502</td>
<td>British History: 1815-Present or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4574</td>
<td>History of Russia: 1801-1917 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4576</td>
<td>History of Russia in the 20th Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4576</td>
<td>History of Russia in the 20th Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4582</td>
<td>20th Century Russian Diplomatic History or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 4610</td>
<td>Women in European Society- From Medieval to Modern</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Exceptional Education - Minor

#### College of Education

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

[http://www.education.ucf.edu](http://www.education.ucf.edu)

Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598

Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. 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**

#### Other Requirements

- **None**

#### Prerequisite Courses

- **None**

#### Required Courses

| Course | Title | Hours
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>EEX 2090</td>
<td>Exceptional Populations in School and Society</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>
<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>
</tbody>
</table>

#### Restricted Electives

- **Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus**

#### Elementary Restricted Electives

- **EEX 4070** Teaching Exceptional Students | 3 hrs |

#### Secondary Restricted Electives

- **EEX 4242** Teaching Exceptional Students in Secondary Settings | 3 hrs |

#### Select 1:

- **EEX 3221** Assessment of Exceptional Students | 3 hrs |
- **EEX 3241** Methods for Academic Skills for Exceptional Students | 3 hrs |

#### Foreign Language Requirements

- **None**

#### Total Semester Hours Required

- **21**

### Film - Cinema Studies - Minor

#### College of Arts and Humanities

**Department of Film, Nicholson School of Communication, Room: 121**


E-mail: film@mail.ucf.edu

Mr. S. Schlow, 407-823-2845

Phone: 407-823-4285

The Film - Cinema Studies minor is intended to provide a limited, but substantive experience in the fields of film and cinema. The minor is not intended for students enrolled in the College of Arts and Humanities and does not lead to certification or admission to the College of Arts and Humanities. The minor is appropriate for students who are seeking an enhanced understanding of film and cinema or are considering a career in the fields of film and cinema. This minor will strengthen the marketability of the student’s major program.

#### Minor Admission Requirements

- **None**

#### Other Requirements

- **None**

#### Prerequisite Courses

- **None**

#### Required Courses

| Course | Title | Hours
<table>
<thead>
<tr>
<th></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 2423</td>
<td>Foundations of Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

- **FIL 1000** Cinema Survey | 3 hrs |
- **FIL 1007** Foundations of Story | 3 hrs |
Minors

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3393C Film Documentary 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 3890C Images of Women in Film 3 hrs
  - FIL 4647 Film Production Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours 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.

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

Other 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 3303 Financial Markets 3 hrs
- FIN 3403C Business Finance 4 hrs

Restricted Electives (9 hrs)
- Select 3:
  - 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

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 community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Anna Valdes, ED 320 H, asarmien@mail.ucf.edu
Phone: 352-536-2141

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 receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- PET 4083 Personal Training Methods 3 hrs
- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- 2 ZOO 3736C Exercise Physiology Anatomy 4 hrs

1 This course is required prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives (6 hrs)
- Select 2:
  - PET 3361 Nutrition for Sport and Fitness or 3 hrs
  - PET 3768 Group Exercise Instruction or 3 hrs
  - PET 3771 Strength and Conditioning Concepts or 3 hrs
  - PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
  - PET 4351C Applied Exercise and Human Physiology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19
Other Requirements
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literature, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

German - Minor
College of Arts and Humanities
Department of Modern Languages and Literature, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

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 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.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 212
L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HUN 2002 Modern Concepts in Nutrition 3 hrs

Restricted Electives
- 9 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Belier, 407-823-2225

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4201 Community Health 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Upper Division Electives
- 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
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
- None

Other Requirements
- None
Prerequisite Courses
- None

Required Courses
- (18 hrs)
  - Take all of the following:
    - HFT 1000 Introduction to the Hospitality and Tourism Industry and
      Guest Services Management I 3 hrs
  - Select 2:
    - HFT 2220 Hospitality Human Resources Management or 3 hrs
    - HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
    - HFT 2500 Hospitality and Tourism Marketing or 3 hrs
    - HFT 3431 Hospitality industry Managerial Accounting 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 4286 Hospitality Communications or 3 hrs
    - HFT 4464 Hospitality Industry Finance 3 hrs
    - Select 2: FSS 2221C Techniques of Food Preparation or 4 hrs
    - HFT 2254 Lodging Operations 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 3700 Tourism Management or 3 hrs
    - HFT 4277 Yacht, Country, And City Club Management or 3 hrs
    - HFT 4755 Theme Park and Attraction Management 3 hrs

Restricted Electives
- None

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 College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

Humanities - Minor

College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Ms. Ann Maukonen, 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 related to knowledge, responsibility, and society. 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

Humanities Foundations
- 6 hrs
  - Select 2:
    - HUM 3252 Contemporary Humanities or 3 hrs
    - HUM 3255 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:
    - ANT 3245 Native American Religions or 3 hrs
    - HUM 3401 Asian Humanities or 3 hrs
    - HUM 3417 Hindu Thought and Culture or 3 hrs
    - HUM 3419 Islamic Thought and Culture or 3 hrs
    - HUM 3552 Christian Thought or 3 hrs
    - HUM 3553 Moses, Jesus and Muhammad or 3 hrs
    - JST 3401 The Jewish People I or 3 hrs
    - PHH 3701 Native American Philosophy 3 hrs
    - Select 2:
      - HUM 4350 Performance Theory or 3 hrs
      - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
      - PHI 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 3 hrs
      - PHH 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:
    - CLT 3370 Classical Mythology 3 hrs
    - CLT 3378 Comparative Mythology 3 hrs
    - HUM 3320 Contemporary Multicultural Studies 3 hrs
    - HUM 4301 The Classical Ideal 3 hrs
    - HUM 4303 The Spiritual Ideal 3 hrs
    - PHI 3700 Philosophy of Religion 3 hrs
    - PHI 3800 Aesthetics 3 hrs
    - PHI 4804 Critical Theory 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
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, Markl@cs.ucf.edu

Minor Admission Requirements
- Not open to Information Technology majors.

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Select one of the following three options:
  Option 1
  - Not open to Computer Science Minors or Interdisciplinary Studies Majors
  - COP 2900C Concepts in Computer Science 4 hrs
  - Select 1: 3 hrs
    - CGS 1060C Introduction to Computer Science or
    - CGS 2100C Computer Fundamentals for Business 3 hrs
  Option 2
  - Not open to Computer Science Minors or Interdisciplinary Studies Majors
  - COP 3223 Introduction to Programming with C 3 hrs
  - Select 1: 3 hrs
    - CGS 1060C Introduction to Computer Science or
    - CGS 2100C Computer Fundamentals for Business 3 hrs
  Option 3
  - Computer Science Minors and Interdisciplinary Studies Majors Only
  - Select 1: 3 hrs
    - CGS 1060C Introduction to Computer Science or
    - CGS 2100C Computer Fundamentals for Business 3 hrs
  Restricted Electives (9 hrs)
  - Select 1: 3 hrs
    - CGS 2545C Database Concepts or
    - CGS 2585C Desktop/Internet Publishing or
    - CGS 3175 Internet Applications or
    - CGS 3269 Computer Architecture Concepts or
    - CGS 3763 Operating System Concepts or
    - CIS 3003 Fundamentals of Information Technology or
    - CNT 3004 Computer Network Concepts 3 hrs
  College Electives Options 1 and 2 3 hrs
  Option 3 6 hrs
  Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

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.

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Mr. Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EGN 3060C Introduction to Robotics 3 hrs
- Select 2: 6 hrs
  - CAP 4453 Robot Vision or
  - CAP 4630 Artificial Intelligence or
  - EEL 3657 Linear Control Systems or
  - EGN 3321 Engineering Analysis-Dynamics or
  - EML 3262 Kinematics of Mechanisms or
  - EML 4312C Feedback Control 3 hrs
  Restricted Electives (9 hrs)
  - Select 3: 9 hrs
    - CAP 5415 Computer Vision or
    - CAP 5512 Evolutionary Computation or
    - CAP 5610 Machine Learning or
    - EEL 4612 Introduction to Modern and Robust Control or
    - EEL 4750 Digital Signal Processing Fundamentals or
    - EEL 5173 Linear Systems Theory or
    - EEL 5513 Digital Signal Processing Applications or
    - EEL 5625 Applied Control Systems or
    - EEL 5630 Digital Control Systems or
    - EEL 5669 Autonomous Robotic Systems or
    - EEL 5820 Image Processing or
    - EEL 5825 Pattern Recognition or
    - EML 4804C Digital Control in Mechatronics or
    - EML 5290 Introduction to MEMS and Micromachining or
    - EML 5311 System Control 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.
- A high-level programming language class (like the following or it’s equivalent) is required for the minor.
  - COP 3223 Introduction to Programming with C 3 hrs
  - EGN 3211 Engineering Analysis and Computation 3 hrs
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
  - EGN 4412C Interdisciplinary Design I 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs
Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- Required Courses
  - CGS 3175 Internet Applications 6 hrs

Select 1:
- CGS 1060C Introduction to Computer Science or
- CGS 2100C Computer Fundamentals for Business or
- COP 3502C Computer Science I 3 hrs

Healthcare Informatics Concentration
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HSA 4191 Health Care Automation 3 hrs

Select 1:
- CGS 4144 Introduction to Informatics or
- CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective
- Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/ certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
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.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used 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)
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
A. Restricted Political Science Electives: 6 hrs
- Select courses from this grouping: 6 hrs
  - INR 4011 Politics of Globalization or
  - INR 4030 Diplomacy or
  - INR 4035 International Political Economy or
  - INR 4054 Global Politics of Energy or
  - INR 4074 Immigration Policy or
  - INR 4075 Human Rights Policy or
  - INR 4076 Global Drug Policy or
  - INR 4350 Global Environmental Politics or
  - INR 4502 International Organizations or
  - INR 4603 International Relations Theory or
  - INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
- Select 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. Restricted Electives: 3 hrs
- Substitutions require prior approval by the program advisor.

Select one course from this grouping: 3 hrs
- CPO 3103 Comparative Politics or
- CPO 4062 Comparative Judicial Process or
- CPO 4074 Political Economy or
- CPO 4445 Comparative Political Parties or
- CPO 4710 Women in Comparative Politics or
- CPO 4754 Comparative Political Institutions or
- CPO 4784 Political and Economic Inequality in Comparative Perspective or
- DSC 4012 Terrorism or
- EUH 3651 War and Society or
- MMC 4300 International Media or
- SYP 4454 Global Inequality and Society or
- THE 3312 Theatre History and Dramatic Literature II or
- Three one credit Foreign Language across the Curriculum (FLAC) courses

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.
International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, gonzalez@mail.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 academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director
Other Requirements
■ None
Prerequisite Courses
■ None

Required Courses (18 hrs)
■ ECO 4701 Seminar in Global Economic Policy 3 hrs
■ ECO 4713 International Macroeconomics 3 hrs
■ ECS 4013 Development Economics 3 hrs
■ GEO 3471 World Political Geography 3 hrs
■ INR 4035 International Political Economy 3 hrs
■ INR 4224 Contemporary International Politics of Asia 3 hrs
■ INR 4243 International Politics of Latin America 3 hrs
■ INR 4401 International Law I 3 hrs
■ MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Cultural Courses 3 hrs
■ IDS 3333 World Comparative Studies 3 hrs

International Business - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
■ None
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.

Prerequisite Courses
■ None

Required Courses (12 hrs)
■ FIN 4604 International Financial Management 3 hrs
■ MAN 4600 International Management 3 hrs
■ MAR 4156 International Marketing 3 hrs

Select 1:
■ ECO 3703 International Microeconomics or 3 hrs
■ ECO 4713 International Macroeconomics 3 hrs

Restricted Electives (6 hrs)
■ ECO 3703 International Microeconomics 3 hrs
■ ECO 4701 Seminar in Global Economic Policy 3 hrs
■ ECO 4713 International Macroeconomics 3 hrs
■ ECS 4013 Development Economics 3 hrs
■ GEO 3471 World Political Geography 3 hrs
■ INR 4035 International Political Economy 3 hrs
■ INR 4224 Contemporary International Politics of Asia 3 hrs
■ INR 4243 International Politics of Latin America 3 hrs
■ INR 4401 International Law I 3 hrs
■ MAR 4724 Strategic Foundations in Global E-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 community colleges 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 six hours of the above listed required or elective courses can count toward another major or minor degree program.
Study Abroad Experience  9 hrs

- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:
  - (1) complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad, or
  - (2) complete 6 hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (3 hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

- 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
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor
College of Sciences
Nicholson School of Communication, Communication, Room: 143
http://communication.cos.ucf.edu
Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Minor Admission Requirements
- None

Other 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
- COM 3311 Communication Research Methods 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 4046 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3513 Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs
- Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (13 hrs)
- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
**Judaic Studies - Minor**

**Program in Judaic Studies,**
Colbourn Hall, Room: 415 E-J  
http://www.judaicstudies.cah.ucf.edu/  
E-mail: judaicst@mail.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 and Women’s Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses (8 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (18 hrs)**

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hebrew Language and</td>
<td>JST 3401  The Jewish People I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Culture</td>
<td>JST 3402  The Jewish People II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3415  American Jewish History</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3481  20th Century Jewish History and Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3550  Introduction of Modernism into Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3701  History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SPN 1120C  Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>SPN 1121C  Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Latin American Area Studies - Minor**

**College of Arts and Humanities**
Colbourn Hall, Room: 406E & 406F  
Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173  
Phone: 407-823-1174

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.

**Other Requirements**  
- Successful completion of the following courses, or demonstration of proficiency.

**Required Courses**  
- None

**Restricted Electives (18 hrs)**

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>ANT 3154  Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ANT 3158  Maya Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ANT 4308  Gender Issues in Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ANT 4332  People and Cultures of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ANT 4340  Caribbean Cultures</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## History
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 4653 Meso American Art 3 hrs

## Modern Languages and Literature
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 4630 Latinos/Latin American Literature 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- SPN 3852 Bilinguismo 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 4382 Central American Literature 3 hrs
- SPW 4730 Hispánic Literature of the United States 3 hrs

## History
- AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Latin American History II 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs

## Latin American Studies
- LAS 4023 African Caribbean Experience 3 hrs
- LAS 4906 Directed Independent Study 1 hr

## Political Science
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 5534 Contemporary Politics of the Mayan Region 3 hrs
- INR 4243 International Politics of Latin America 3 hrs

## Foreign Language Requirements
- None

## Total Semester Hours Required
- 18

### Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

## Leadership Studies - Minor

### Office of Undergraduate Studies

### Office of Interdisciplinary Studies,

**Classroom I, Room: 302**

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

**E-mail: is@mail.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

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (19 hrs)

#### Foundation Requirement
- 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**
    - PR: LDR 2001
  - **Collaboration**
  - **Social Relations and Culture**
  - **Politics**
  - **Ethics**

### Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 19

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
David Slaughter, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (18 hrs)

Restricted Upper Division Electives 15 hrs
- 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives 3 hrs
- 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the 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 three from the following choices: 9 hrs
ENC 3310 Magazine Writing I or 3 hrs
JOU 3201 Editing I or 3 hrs
JOU 3202 Editing II or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4308 Freelance Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (12 hrs)
Select four or five: 12 hrs
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3403 Sales Force Management 3 hrs
MAR 3503 Customer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
MAR 3721 E-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 4724 Strategic Foundations in Global E-Business 3 hrs
MAR 4803 Marketing Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4841 Services Marketing 3 hrs
MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
Mass Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Minor Admission Requirements
- Not open to Ad/PR, Journalism, or Radio/TV majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
Select at least 6 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610 Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>COM 3011C Communication and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3211 Theory and Practice of Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>EXP 3404 Basic Learning Processes</td>
<td>3</td>
</tr>
<tr>
<td>HSA 3111 U.S. Health Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4</td>
</tr>
<tr>
<td>PHI 3803 Philosophy and Creativity</td>
<td>3</td>
</tr>
<tr>
<td>PPE 3003 Personality Theory</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3213C Research Methods in Psychology</td>
<td>5</td>
</tr>
<tr>
<td>RTV 3007 Development and Structure of Electronic Media and New Technology</td>
<td>3</td>
</tr>
<tr>
<td>SOP 304 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3301 Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4331 Nonverbal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4426 Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>STA 4102 Computer Processing of Statistical Data</td>
<td>3</td>
</tr>
<tr>
<td>SYA 4300C Research Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Mathematics - Minor

College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
E-mail: martin@math.ucf.edu
Dr. Heath Martin, MAP 215A
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Other 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 maximum of six hours of the listed required or elective courses can count toward another major or minor degree program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

1 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
2 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
Restricted Electives (6 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)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- 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

NOTE: The following course is NOT acceptable as a restricted elective.
- MAP 3401 Problem Analysis 3 hrs

You may select either course if desired, but not both.
- MAS 3105 Matrix and Linear Algebra or 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
- MAA 5210 Topics in Advanced Calculus 3 hrs

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.

Mathematics Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu,
407-823-4336
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 an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- 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

Medical Anthropology - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
E-mail: anthro@mail.ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Other 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 (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

Restricted Electives, Group A: 3 hrs
- Select one course from the list below:
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 4457 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4560 Anthropological Perspectives on Human Growth 3 hrs

Restricted Electives, Group B: 6 hrs
- Select two courses from the list below:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
Minors

ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
ANT 4184 Mortuary Archaeology 3 hrs
ANT 4521C Forensic Anthropology 3 hrs
ANT 4525C Human Osteology 4 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
May substitute a health-related course from another department with permission from Anthropology.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
Dr. Husain Kassim, 407-823-2803

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

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
■ Select two courses from the following:
  1 ENL 4311 Chaucer 3 hrs
  1 ENL 4333 Shakespeare Studies 3 hrs
  1 ENL 4341 Milton and His Age 3 hrs
  EUH 3122 Medieval Society and Civilization 3 hrs
  HUM 3435 Medieval Humanities 3 hrs

  1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
■ Select no more than two from each disciplinary group:

  Department of Art
  ARH 4200 Medieval Art 3 hrs
  ARH 4310 Italian Renaissance Art 3 hrs

  Department of English
  ENL 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 3124 The Crusades 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
  ITT 3443 Dante’s Inferno 3 hrs
  ITW 3100 Survey of Italian Literature I 3 hrs
  LAT 1120C Elementary Latin Language and Civilization I 4 hrs
  LAT 1121 Elementary Latin Language and Civilization II 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

  Department of Music
  MUH 4322 Medieval and Renaissance Music 3 hrs

  Department of Philosophy
  HUM 3435 Medieval Humanities 3 hrs
  PHH 3200 Medieval Philosophy 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.
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Sean Morgan
Phone: 407-823-1872

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

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
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Molecular Biology and Microbiology - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 3403C Quantitative Biological Methods 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
Select 1: 3 hrs
- PCB 3233 Immunology or
- PCB 4239 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Music - Minor
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu/
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
Select 1: 3 hrs
- MUH 2017 Survey of Rock Music or
- MUH 2019 American Popular Music, 1840s-present or
The requirements for each are as follows:

- either the Generalist Emphasis or the Public Affairs Emphasis.

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
- 20

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Non-Profit Management/American Humanics National Certification Program - Minor
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: ahminor@mail.ucf.edu
Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management/American Humanics National Certification Program 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 in American Humanics.

Minor Admission Requirements
- None

Other Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses (9 hrs)
1 PAD 3930 American Humanics Human Service Workshop 1 hr
PAD 4144 Non-Profit Organizations 3 hrs
2 PAD 4048 American Humanics Internship 3 hrs

1 One credit hour repeated three semesters
2 Internships within other programs may be accepted with prior approval of American Humanics 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
  PAD 4131 Public Sector Project Management or 3 hrs
  PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  PAD 4204 Fiscal Management or 3 hrs
  PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs
  1 PAD 5850 Grant and Contract Management or 3 hrs
  1 SOW 5401 Social Work Research 3 hrs

Select 1: 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
  DEP 2004 Developmental Psychology or 3 hrs
  DEP 3464 Psychology of Aging or 3 hrs
  EDG 4941 Directed Field Experience or 1 hr
  1 MAN 3301 Management of Human Resources or 3 hrs
  1 MAN 4101 Human Relations in Management or 3 hrs
  1 MAN 4320 Human Resources Recruitment and Selection or 3 hrs
  PAD 4148 Volunteer Management or 3 hrs
  PAD 4414 Personnel Administration or 3 hrs
  SOW 3104 Assessing I: Human Development or 3 hrs
  SOW 3203 Social Work & Community Resources 3 hrs

Select 1: 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
  1 COM 3110 Business and Professional Communication or 3 hrs
  1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  MAR 3023 Marketing or 4 hrs
  1 MAR 3641 Marketing Intelligence or 3 hrs
  MAR 4803 Marketing Management or 3 hrs
  PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  1 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
  SPC 3301 Interpersonal Communication 3 hrs

1 Course has prerequisites or may be closed to students in the major. Please see catalog for details.

Public Affairs Emphasis 9 hrs
- Choose at least 3 courses from the following:
  PAD 4131 Public Sector Project Management 3 hrs
  PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
  PAD 4148 Volunteer Management 3 hrs
  PAD 4153 Planning and Improvement for Pub Org 3 hrs
  PAD 4204 Fiscal Management 3 hrs
  1 PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
  1 PAD 4253 Community & Economic Development 3 hrs
  3 PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

1 Course has prerequisites or may be closed to students in the major. Please see catalog for details.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Minors

Other Requirements
- Enrollment in American Humanics Certification Program through AH program office.
- Attendance at one national American Humanics Management Institute (additional fees).
- Membership in UCF American Humanics Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@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 all UCF undergraduates.

Minor Admission Requirements
- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Other Requirements
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- 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.

Prerequisite Courses
- Students must satisfy a course’s prerequisites before enrolling in the class.

Required Courses
- ANT 4910 Research (3 hrs)

Restricted Electives
- Courses used in the minor must be taken in at least two departments. Select from the following list.
  - AMH 3411 History of the Frontier: Eastern America 3 hrs
  - AMH 4110 Colonial America, 1607-1763 3 hrs
  - AMH 4112 The Atlantic World 3 hrs
  - AML 3640 Native American Literature 3 hrs
  - ANT 3152 Indians of the Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3245 Native American Religions 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - ANT 3314 Indians of the Northeast Woodlands 3 hrs
  - ANT 3318 Indians of the Northwest Coast 3 hrs
  - ANT 3390 Black/Seminole Relations 3 hrs
  - ANT 4144 Prehistory of North America 3 hrs
  - ANT 4153 North American Archaeology 3 hrs
  - ANT 4906 Directed Independent Study 1 hr
  - PHH 3701 Native American Philosophy 3 hrs
  - SYD 3751 North American Indian Women Today 3 hrs
  - SYD 3752 Modern Law in Indian Country 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  - PHI 2011 Philosophical Reasoning or PHI 2101 Formal Logic I or PHI 2108 Critical Thinking or PHI 2647 Logic and Ethics or PHI 3131 Formal Logic II (3 hrs)

  History of Philosophy
  - PHI 3100 Ancient Philosophy or PHI 3200 Medieval Philosophy or PHI 3460 Modern Western Philosophy or PHI 3600 Contemporary Philosophy (3 hrs)

  Values and Society
  - PHI 3701 Native American Philosophy or PHI 3625 Virtual Ethics or PHI 3626 Advanced Ethics in Science and Technology or PHI 3638 Ethical Issues in the 21st Century or PHI 3640 Environmental Ethics or PHI 3670 Ethical Theory or PHI 3800 Aesthetics or PHI 3805 Contemporary Aesthetics or PHI 4633 Ethics and Biological Science or PHI 3100 Freedom and Justice or PHI 3123 Feminist Theories or PHI 3401 Philosophy of Law or PHI 4031 Environmental Philosophy (3 hrs)

  Being and Knowing
  - PHI 3320 Philosophy of Mind or PHI 3323 Minds and Machines: Philosophy of Cognitive Science or PHI 3451 Philosophy of Psychology or PHI 3700 Philosophy of Religion or PHI 4221 Philosophy of Language or PHI 4300 Theories of Knowledge or PHI 4341 Ways of Knowing or PHI 4400 Philosophy of Science or PHI 4420 Philosophy of Social Science or PHI 4500 Metaphysics or PHI 4782 Phenomenology (3 hrs)
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.

### Philosophy, Religion and Popular Culture - Minor

#### College of Arts and Humanities

#### Department of Philosophy,

Psychology Building, Room: 220  
http://www.philosophy.cah.ucf.edu/  
E-mail: philosophy@mail.ucf.edu

Doug Evans (Orlando Campus), 407-823-2273
Shelley Park, (Cocoa Campus), 321-433-7919

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

### Other Requirements

- None

### Prerequisite Courses

- None

### Required Courses (21 hrs)

- NOTE: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by departmental advisor.

#### Theoretical Foundations (6 hrs)

**Take all of the following:**

- PHI 3684: Ways of Living and  
- PHI 4341: Ways of Knowing

**Philosophy (3 hrs)**

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2101: Formal Logic I or</td>
</tr>
<tr>
<td>PHI 3670: Ethical Theory or</td>
</tr>
<tr>
<td>PHI 3700: Philosophy of Religion or</td>
</tr>
<tr>
<td>PHI 3720: Faith and Reason or</td>
</tr>
<tr>
<td>PHI 3800: Aesthetics or</td>
</tr>
<tr>
<td>PHI 4300: Theories of Knowledge or</td>
</tr>
<tr>
<td>PHI 4804: Critical Theory or</td>
</tr>
<tr>
<td>PHI 3100: Freedom and Justice or</td>
</tr>
<tr>
<td>PHI 3786: Existentialism</td>
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</table>

**Religion (3 hrs)**

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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>CLT 3378: Comparative Mythology or</td>
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<tr>
<td>HUM 3417: Hindu Thought and Culture or</td>
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<tr>
<td>HUM 3419: Islamic Thought and Culture or</td>
</tr>
<tr>
<td>HUM 3552: Christian Thought or</td>
</tr>
<tr>
<td>HUM 3553: Moses, Jesus and Muhammad or</td>
</tr>
<tr>
<td>HUM 4303: The Spiritual Ideal or</td>
</tr>
<tr>
<td>HUM 4554: Religious Quest and Human Dilemma or</td>
</tr>
<tr>
<td>PHI 3750: The Problem of Evil</td>
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</tbody>
</table>

#### Popular Culture Studies (9 hrs)

- Select at least one course from Contemporary Forms of Life
- Select at least one course from Contemporary Forms of Life

#### Contemporary Media (3 hrs)

<table>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>HUM 3320: Contemporary Multicultural Studies or</td>
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<tr>
<td>HUM 4330: Performance Theory or</td>
</tr>
<tr>
<td>HUM 4556: Religion and the Arts or</td>
</tr>
<tr>
<td>PHI 3625: Virtual Ethics or</td>
</tr>
<tr>
<td>PHI 3951: Philosophy in the News or</td>
</tr>
<tr>
<td>POS 3235: Mass Media and Politics or</td>
</tr>
<tr>
<td>POS 3258: Politics in Film or</td>
</tr>
<tr>
<td>REL 3111: Religion and Philosophy Through Film or</td>
</tr>
<tr>
<td>REL 3115: Religion, Spirituality, and Popular Music or</td>
</tr>
<tr>
<td>SYP 3630: Popular Culture In Society</td>
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</tbody>
</table>

#### Contemporary Forms of Life (3 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
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</thead>
<tbody>
<tr>
<td>ANT 3302: Sex, Gender and Culture or</td>
</tr>
<tr>
<td>HUM 3252: Contemporary Humanities or</td>
</tr>
<tr>
<td>PHI 3022: Sexuality, Gender &amp; Philosophy or</td>
</tr>
<tr>
<td>PHI 3033: Philosophy, Religion, and the Environment or</td>
</tr>
<tr>
<td>PHI 3649: Family Values or</td>
</tr>
<tr>
<td>PHI 3683: Philosophy of Friendship or</td>
</tr>
<tr>
<td>PHI 4321: Philosophies of Embodiment: Mind/Body/Self or</td>
</tr>
<tr>
<td>PHM 3123: Feminist Theories or</td>
</tr>
<tr>
<td>PHM 3401: Philosophy of Law or</td>
</tr>
<tr>
<td>REL 3131: Religion in America</td>
</tr>
</tbody>
</table>

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

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**Topics in Philosophy**

<table>
<thead>
<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>PHI 3022: Sexuality, Gender &amp; Philosophy or</td>
</tr>
<tr>
<td>PHI 3033: Philosophy, Religion, and the Environment or</td>
</tr>
<tr>
<td>PHI 3648: Ethical Implications of the Human Genome Project or</td>
</tr>
<tr>
<td>PHI 3683: Philosophy of Friendship or</td>
</tr>
<tr>
<td>PHI 3720: Faith and Reason or</td>
</tr>
<tr>
<td>PHI 3750: The Problem of Evil or</td>
</tr>
<tr>
<td>PHI 3803: Philosophy and Creativity or</td>
</tr>
<tr>
<td>PHI 3941: Philosophy Practicum or</td>
</tr>
<tr>
<td>PHI 4321: Philosophies of Embodiment: Mind/Body/Self or</td>
</tr>
<tr>
<td>PHI 4804: Critical Theory or</td>
</tr>
<tr>
<td>PHI 4931: Philosophy in the News or</td>
</tr>
<tr>
<td>PHP 3783: Modernity as a Philosophical Problem or</td>
</tr>
<tr>
<td>PHP 3786: Existentialism or</td>
</tr>
<tr>
<td>REL 3111: Religion and Philosophy Through Film</td>
</tr>
</tbody>
</table>

### 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
Minors

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, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

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 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
PHY 2048C Physics for Engineers & Scientists I  4 hrs
PHY 2049C Physics for Engineers and Scientists II  4 hrs
PHY 3101 Physics for Engineers and Scientists III  3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science/PreLaw and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4284</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) 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
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
POS 2041 American National Government  3 hrs
POS 4284 Judicial Process and Politics  3 hrs
Minors

Restricted Electives (12 hrs)

Select 1: 3 hrs
INR 4401 International Law I
INR 4402 International Law II
POS 4603 American Constitutional Law
POS 4604 American Constitutional Law II

Restricted Upper Division Electives 9 hrs
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography 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 4941L Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Psychology - Minor
College of Sciences

Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Other 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
- STA 2023 Statistical Methods I

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 3604 Cognitive Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social

Select 1: 3 hrs
- PPE 3003 Personality Theory or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental

Select 1: 3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity

Select one additional Psychology elective 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 Diversity 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Select one additional Psychology elective 3 hrs
- The following courses will not fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 1 hr
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3905 Directed Independent Study 1 hr
  - PSY 3951 Undergraduate Field Work 1 hr
  - PSY 4906 Directed Independent Study 1 hr
  - PSY 4912 Directed Independent Research 1 hr

- 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
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.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

Other Requirements
- None
## Minors

**Prerequisite Courses**
- None

**Required Courses**
- PAD 3003: Public Administration in American Society (3 hrs)
- PAD 3733: Professional Administrative Writing in the Public Sector (3 hrs)
- PAD 4034: The Administration of Public Policy (3 hrs)
- PAD 4104: Administrative Theory (3 hrs)
- PAD 4204: Fiscal Management (3 hrs)
- PAD 4414: Public Personnel 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 all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges 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**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

Phone: 407-823-6598

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.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- PEO 3041: Games Analysis (3 hrs)
- PET 3765: Coaching Theory (3 hrs)
- PET 3820: Teaching Sports Skills I (3 hrs)

**Restricted Electives**
- Select 3: 9 hrs
  - DAE 3370: Dance and Rhythms or 3 hrs
  - PET 3361: Nutrition for Sport and Fitness or 3 hrs
  - PET 3771: Strength and Conditioning Concepts or 3 hrs
  - PET 4002: Outdoor and Leisure Activities or 3 hrs
  - PET 4050C: Motor Development and Learning or 3 hrs
  - PET 4312: Biomechanics or 3 hrs
  - SPM 3130: Aquatic Management or 3 hrs
  - SPM 3204: Sports and Ethics or 3 hrs
  - SPM 3415: Public Relations in Sport and Fitness or 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
The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

Minor Admission Requirements
- None

Other Prerequisite Requirements
- None

Required Courses
- None

Restrict Electives
- (Select from the following courses)

Religion, Humanities, Classics, and Philosophy courses
- CLT 3370  Classical Mythology or 3 hrs
- CLT 3378  Comparative Mythology or 3 hrs
- HUM 3320  Contemporary Multicultural Studies or 3 hrs
- HUM 3401  Asian Humanities or 3 hrs
- HUM 3417  Hindu Thought and Culture or 3 hrs
- HUM 3419  Islamic Thought and Culture or 3 hrs
- HUM 3552  Christian Thought or 3 hrs
- HUM 3553  Moses, Jesus and Muhammad or 3 hrs
- HUM 4303  The Spiritual Ideal or 3 hrs
- HUM 4320  Performance Theory or 3 hrs
- HUM 4554  Religious Quest and Human Dilemma or 3 hrs
- PHI 3033  Philosophy, Religion, and the Environment or 3 hrs
- PHI 3538  Ethical Issues in the 21st Century or 3 hrs
- PHI 3672  Animal Ethics or 3 hrs
- PHI 3684  Ways of Living or 3 hrs
- PHI 3700  Philosophy of Religion or 3 hrs
- PHI 4321  Philosophies of Embodiment: Mind/Body or 3 hrs
- PHI 4341  Ways of Knowing or 3 hrs
- PHI 4804  Critical Theory or 3 hrs
- PHE 3020  Philosophy of Love or 3 hrs
- PHE 3100  Freedom and Justice or 3 hrs
- PHP 3786  Existentialism or 3 hrs
- REL 3111  Religion and Philosophy Through Film or 3 hrs
- REL 3115  Religion, Spirituality, and Popular Music or 3 hrs
- REL 3131  Religion in America or 3 hrs
- REL 3340  Buddhist Thought or 3 hrs
- REL 3432  Roots of Western Mysticism or 3 hrs
- REL 4110  Religion and the Arts or 3 hrs
- REL 4180  Religion and Medicine or 3 hrs

Courses offered through other Departments
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
- AML 3615  Harlem, Haiti, and Havana or 3 hrs
- ANT 3241  Magic, Ritual, and Belief or 3 hrs
- ANT 3245  Native American Religions or 3 hrs
- ASH 3221  Islam and Its Empires or 3 hrs
- ASH 3223  The Modern Middle East or 3 hrs
- JST 3005  Tenets of Judaism or 3 hrs
- JST 3125  The Book of Job or 3 hrs
- JST 3144  Dead Sea Scrolls or 3 hrs
- JST 3401  The Jewish People I or 3 hrs
- JST 3402  The Jewish People II or 3 hrs
- JST 3450  Modern Jewish Experience or 3 hrs
- JST 3550  Introduction to Modernism into Judaism or 3 hrs
- JST 3701  History of the Holocaust or 3 hrs
- JST 3751  Literature of the Holocaust or 3 hrs
- JST 3810  The Jewish National Movement and Roots of Zionism or 3 hrs
- LIT 3202  Death and Dying or 3 hrs
- LIT 4374  Literature of the Bible or 3 hrs
- POT 4632  Religion and Politics or 3 hrs
- SYO 4200  Religion in Society or 3 hrs

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.

Science Education - Minor

College of Education

Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@mail.ucf.edu
Dr. Janet Anderson, ED 123Q, jandreas@mail.ucf.edu
Phone: 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
- None

Other Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Prerequisite Courses
- None

Required Courses
- EDF 4467  Learning Theory and Assessment or 3 hrs
- EDG 4410  Teaching Strategies and Classroom Management or 3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12 or 3 hrs
- SCE 4360  Science Instructional Analysis or 4 hrs
- SCE 4360  Science Instructional Analysis or 4 hrs
- TSL 4080  Theory and Practice of Teaching ESOL or 3 hrs

Restricted Electives
- None
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

Social Science Education - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, jandreas@mail.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 an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4457 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
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

Social Sciences - Interdisciplinary - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall,
Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Social Sciences majors.

Other Requirements
- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- One method course, selected from the three immediately below

Select 1: 3 hrs
- POS 3703 Scope and Methods of Political Science or 3 hrs
- PSY 3213C Research Methods in Psychology or 5 hrs
- SYA 4300C Research Methods 4 hrs

Restricted Electives (18 hrs)
- Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

Communication
Economics
Political Science
Public Administration
Psychology
Sociology & Anthropology

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.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colburn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other 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 3420 Spanish Composition 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 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 Minor

- Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205

http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Business majors only. 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3603</td>
<td>Diversity and Social Issues in Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
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Restricted Electives

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<tr>
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</thead>
<tbody>
<tr>
<td>GEB 4824</td>
<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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. However, juniors and seniors may take SPB 3823 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.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205

http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses

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<td>Diversity and Social Issues in Sport Business Management</td>
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<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
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Restricted Electives

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<th>Hours</th>
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<tbody>
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<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- 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 or 3.0 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,
Computer Center II, Room: 212

http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

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 of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163  Statistical Methods II  3 hrs
- STA 4164  Statistical Methods III  3 hrs

Select 1: 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 cannot 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.
- 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.

Technology Education and Industry Training - Minor
College of Business Administration
College of Engineering and Computer Science
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 115D
Phone: 407-823-2848

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 does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minors
Minors

Innovation Design or Research Sequence  6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

All engineering, interdisciplinary students (e.g., business):
- EGN 4412C  Interdisciplinary Design I and 3 hrs
- EGN 4413C  Interdisciplinary Design II 3 hrs

BSEE, BSCPE:
- EEL 4914  Senior Design I and 3 hrs
- EEL 4915L Senior Design II 3 hrs

BSME:
- EML 4501C  Engineering Design I and 3 hrs
- EML 4502C  Engineering Design II 3 hrs

BSC:
- CCE 4810C  Construction Design Project and 3 hrs
- CEG 4801C  Geotechnical Engineering Design 3 hrs

BSAE:
- EAS 4700C  Aerospace Design I and 3 hrs
- EAS 4710C  Aerospace Design II 3 hrs

Discipline-Specific or Experiential Sequence  3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

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.
- Students must consult theatre advisor every semester.

Urban and Regional Planning - Minor
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jurie, 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey or 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.

Theatre - Minor
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@mail.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful interview and current resume

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey or 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restrictive Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.

Required Courses (15 hrs)
- PAD 3330  Urban and Regional Planning 3 hrs
- PAD 4253  Community & Economic Development 3 hrs
- PAD 4334  Urban Design 3 hrs
- PAD 4351  Issues in Environmental Program Management 3 hrs
- PAD 4712  Information Systems for Public Managers and Planners 3 hrs
- PAD 4803  Issues in Urban Administration 3 hrs
Women's Studies - Minor
College of Arts and Humanities
Program in Women's Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

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 the 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- WST 3015 Introduction to Women's Studies 3 hrs
- Select 1:
  - Select one course from the Theories Group:
    - LIT 4554 Advanced Feminist Theories or 3 hrs
    - PHM 3123 Feminist Theories or 3 hrs
    - 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 3 hrs

Women's Studies Disciplinary Approaches
- WST 3020 Girls' Studies 3 hrs
- WST 3371 Women and Leadership 3 hrs
- WST 3460 Womanist Studies 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 Researching Women and Gender 1 hr
- 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
- EUN 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3263 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy 3 hrs

Women’s Wellness
- CLP 3184 Women and Health 3 hrs
- NSP 4425 Women's Health Issues 3 hrs
- SOP 3742 Psychology of Women 3 hrs

Select 1:
- PEM 2405 Self Defense for Women 3 hrs
- SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 4308 Gender Issues in Latin America 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs
- PUP 4323 Women and Public Policy 3 hrs
- SYD 3751 North American Indian Women Today 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- SYD 4810 Women in Contemporary Society 3 hrs
- SYD 4813 Women, Law and Social Change 3 hrs
- SYO 4100 Family Trends 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

Restricted Electives
- Students should complete at least two of their four 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.

Foreign Language Requirements
- None
Minors

World Comparative Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Other 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, with permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
AML 3615 Harlem, Haiti, and Havana 3 hrs
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3610 Language and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
FSS 3008 Culture and Cuisine 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUM 3419 Islamic Thought and Culture 3 hrs

Economics
ANT 4702 Culture, Power and Development 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECP 3302 Economics and the Environment 3 hrs
ECS 4013 Development Economics 3 hrs
HFT 3700 Tourism Management 3 hrs
INR 4035 International Political Economy 3 hrs

Social Structure and Change
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
PLA 4830 World Legal Systems 3 hrs
SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
COM 4461 Intercultural Communication 3 hrs
FIL 3842 International Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL 4844 Africana Cinema 3 hrs
LIN 4643 Cross Cultural Communication 3 hrs
THE 4212 Global Theatre 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.
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
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. The certificate may be completed as a fully web-based program.

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)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs
- SYP 4941 Internship 3 hrs

1 (Full-time students ONLY). Cannot be used with SOW 4941.
2 (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses in their College must be taken and at least one course must be outside their college.

College of Health and Public Affairs 6 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum GPA of 2.0 required in all courses used to satisfy the certificate
- Grades less than "C" (2.0) 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.
- Independent Study cannot be used toward the certificate

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: k mootare@mail.ucf.edu
Dr. Karen Mottarela
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 (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

Select 1: 3 hrs
- Complete one introductory course:
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003 Personlity Theory and
  - SYP 3510 Sociology of Deviant Behavior

Required Courses (9 hrs)
- CLP 3390 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

From Psychology, select one of the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203 Interviewing and Counseling 4 hrs
# Crime Analysis and Crime Mapping - Certificate

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311**

**E-mail:** cjadvise@mail.ucf.edu  
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

## Certificate Admission Requirements
- None

## Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3511</td>
<td>Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530</td>
<td>Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
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<td>Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562</td>
<td>Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514</td>
<td>Patterns of Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521</td>
<td>Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536</td>
<td>Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Restricted Electives

Select 2 of the following:

- CJE 4076 Crime Analysis II 3 hrs
- CJE 3662 CJ Information Technology and Data Management 3 hrs
- CJE 4663 Crime Analysis I 3 hrs

## Foreign Language Requirements
- None

## Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program

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# Children’s Services - Certificate

**College of Health and Public Affairs**

**School of Social Work, Health and Public Affairs I, Room: 204**

**E-mail:** socialwk@mail.ucf.edu  
BSW Coordinator  
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

## Certificate Admission Requirements
- Must be a BSW major.

## Certificate Requirements
- Placement with the Department of Children and Families—Working with child welfare or placement in an agency that serves children
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

### Prerequisite Courses
- None

### Required Courses

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</tbody>
</table>

### Restricted Electives

Select 2 of the following:

- SOW 4510 Field Education or Internship 9 hrs
- SOW 4941 Internship 9 hrs

## Foreign Language Requirements
- None

## Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program
Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
■ None

Required Courses (12 hrs)
■ Note: some courses have limited offerings, and should be taken when available,
ANT 4183 Archaeological Sciences 3 hrs
ANT 4521C Forensic Anthropology 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
■ Select one of the following courses:
ANT 3115 Archaeological Method and Theory 3 hrs
ANT 4528C Advanced Forensic Anthropology 5 hrs
CJE 4195 Interviews & Interrogations in CJ 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs
SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ Course substitutions must be approved by both departments in advance.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@mail.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)
CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs
CLP 3143 Abnormal Psychology 3 hrs

Restricted Electives (3 hrs)
■ Select one of the following:
CCJ 4195 Interviews & Interrogations in CJ 3 hrs
CJE 4610 Criminal Investigation 3 hrs
DSC 4012 Terrorism 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 certificate.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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)
ANT 4303 Anthrology of Tourism 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3700 Tourism Management 3 hrs
HFT 4735 Tourism Geography 3 hrs
Diplomacy - Certificate
College of Sciences
Department of Political Science, Phillips Hall, Room: 302
Department of History, Colburn Hall, Room: 551

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Certificates

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 African American 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 2410 Cultural Anthropology 3 hrs
- ANT 3115 Archaeological Method and Theory 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 3701 Applied Anthropology 3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora 3 hrs
- PCB 3442 Florida Aquatic Ecology 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 4204 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 3130 Latin American History I 3 hrs
- LAH 3200 Latin American History II 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 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.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy 3 hrs

Restricted Electives (6 hrs)
- Select two courses from the following list: 6 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

Educational Studies - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/es/

Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Restricted Electives (3 hrs)

Choose one:
- LAE 4342  Programs in Teaching Language and Composition  3 hrs
- LAE 4464  Survey of Adolescent Literature  3 hrs
- MAE 4634  Programs in Teaching of Mathematics  3 hrs
- SCE 4361  Programs in Teaching Science  3 hrs
- SSE 4936  Programs in Teaching Social Science  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.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Finance: Banking - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131  Financial Accounting Concepts and Analysis  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 4324  Commercial Bank Management  3 hrs
- Select 1:
  - FIN 4941  Finance Internship  3 hrs
  - MAR 3391  Professional Selling  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131  Financial Accounting Concepts and Analysis  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 3414  Intermediate Corporate Finance  3 hrs
- FIN 4941  Finance Internship  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Investments - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 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
Certificates

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
E-mail: judaicst@mail.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 and Women’s Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

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  The Jewish People I  3 hrs
  JST 3402  The Jewish People II  3 hrs
  JST 3415  American Jewish History  3 hrs
  JST 3491  20th Century Jewish History and Thought  3 hrs
  JST 3550  Introduction of Modernism into Judaism  3 hrs
  JST 3701  History of the Holocaust  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

Literature
  JST 3100  The Hebrew Creative Mind  3 hrs
  JST 3312  Identity and Genre  3 hrs
  JST 3751  Literature of the Holocaust  3 hrs

Jewish Civilization
  JST 3005  Tenets of Judaism  3 hrs
  JST 3121  Classic Texts of Judaism  3 hrs
  JST 3210  Kabbalah: Jewish Mysticism  3 hrs
  JST 3520  Contemporary Jewish Ethics and Morality  3 hrs

Other courses, including special topics, with the approval of the Director

Culture
  JST 3450  Modern Jewish Experience  3 hrs
  JST 3810  The Jewish National Movement and Roots of Zionism  3 hrs
  JST 3820  Modern Hebrew Culture  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis
E-mail: advising@mail.ucf.edu

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 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)

Language
  LIN 3673  Grammar & Advanced Prose Style  3 hrs
  LIN 3716  Language Development  3 hrs
  LIN 3716L  Language Development Lab  2 hrs
  SPA 4400  Language Disorders Across the Life Span  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 I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
Foundation Requirement 4 hrs
LDR 2001 Foundations of Leadership 2 hrs
LDR 2002 Intermediate Foundations of Leadership 2 hrs
1 PR: LDR 2001

Restricted Requirements 9 hrs
Choose one course from three of the areas below:

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 3 hrs

Collaboration 3 hrs
INP 3004 Industrial/Organizational Psychology or 3 hrs
INP 4313 Organizational Psychology or 3 hrs
MAN 3025 Management of Organizations or 4 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
1 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 3304 Motivation or 3 hrs
SOP 3004 Social Psychology or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs

Politics 3 hrs
PAD 3003 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Non-Profit 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 3 hrs
BUL 3130 Legal and Ethical Environment of Business or 3 hrs
EDF 3601 Professional Ethics in Education or 3 hrs
PAD 3040 Ethics and Values in Public Administration or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3640 Environmental Ethics 3 hrs
1 PR: COM 3311

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 the six elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
MAR 3721 E-Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs
1 Internship in “e”-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: 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 the six elective marketing hours required in the major

Certificate Requirements
- None
Certificates

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>Certificate Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4715</td>
<td>Entertainment Marketing</td>
</tr>
<tr>
<td>1 MAR 4941</td>
<td>Marketing Internship</td>
</tr>
</tbody>
</table>

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Foreign Language Requirements</th>
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</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>6</th>
</tr>
</thead>
</table>

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 the six elective marketing hours required in the major.

Certificate Requirements

None

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4712</td>
<td>Healthcare Marketing</td>
</tr>
<tr>
<td>1 MAR 4941</td>
<td>Marketing Internship</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>6</th>
</tr>
</thead>
</table>

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 the six elective marketing hours required in the major.

Certificate Requirements

None

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3403</td>
<td>Sales Force Management</td>
</tr>
<tr>
<td>1 MAR 4941</td>
<td>Marketing Internship</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>6</th>
</tr>
</thead>
</table>

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 the six elective marketing hours required in the major.

Certificate Requirements

None

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
</tr>
<tr>
<td>1 MAR 4941</td>
<td>Marketing Internship</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>6</th>
</tr>
</thead>
</table>

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 the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- MAR 4841 Services Marketing 3 hrs
- 1 MAR 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 the six elective marketing hours required for the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- MAR 4711 Sport Marketing 3 hrs
- 1 MAR 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
- 6

Other Requirements
- None

Military Science - Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- AMH 3547 U.S. Military History Since 1900 3 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs

Select 1:
- MSL 3201C Leadership and Problem Solving or 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than "C-" (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

Nonprofit Management - Certificate
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Other Requirements
- None
Certificates

Required Courses (15 hrs)
- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4153 Planning and Improvement for Pub Org Organizations 3 hrs
- PAD 4325 Program Evaluation for Public and Non-Profit 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

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)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- Select 1: 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Real Estate: Real Estate 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)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Real Estate: Real Estate Brokerage - Certificate

College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None
Certificates

Required Courses (15 hrs)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- CCJ 4644 White Collar Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice/Private Security 3 hrs
- SCC 3311 Security Administration 3 hrs

Restricted Electives (3 hrs)
Select one of the following:
- CJE 3444 Crime Prevention 3 hrs
- DSC 4012 Terrorism 3 hrs
- PLA 3377 The Law of Torts 3 hrs
- PLA 5937 Seminar in Contemporary Legal Problems 3 hrs
- SCC 3316 Special Security Problems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department

No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study credit cannot be used toward the certificate.

Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.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)
4 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 UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to
Certificates

teacher certification or admission to the College of Education. 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
- None

Required Courses
- None

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Required Courses
- None

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDF 2007 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- 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 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives
- 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
- 12

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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
- None

Prerequisite Courses
- None

Required Courses
- 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
- Select two of the following:
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CJJ 4564 Juvenile Justice System 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SDW 4754 Forensic Social Work Theory and Practice 3 hrs
  - SYP 4521 Crime Victims in Society 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.
- 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,
Colborn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

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 open to both degree-seeking and non degree-seeking students, but should be 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015 Introduction to Women's Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.</td>
<td></td>
</tr>
</tbody>
</table>

Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
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 the dynamics of the group. 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, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the 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 France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

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: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University 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](http://www.studyabroad.ucf.edu) or contact OIS at 407-882-2300.
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, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Alain Kassab, kassab@mail.ucf.edu, 407-823-5778
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Kuo-Chi (Kurt) Lin, klin@mail.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) (0 hrs)
   - See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 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 (54 hrs)
   - EAS 3010 Fundamentals of Aerospace Flight 3 hrs
   - EAS 3011 Fundamentals of Aerodynamics 3 hrs
   - EAS 3000C Aerospace Engineering Measurements 3 hrs
   - EAS 3810C Design of Aerospace Experiments 3 hrs
   - EAS 4105 Flight Mechanics 3 hrs
   - EAS 4124 High-Speed Aerodynamics 3 hrs
   - EAS 4200 Flight Structures 3 hrs
   - EAS 4210 Space Structural Dynamics 3 hrs
   - EAS 4300C Aerothermodynamics of Propulsion Systems 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1:
- EAS 3530 Space Systems Concepts or
- EAS 4505 Orbital Mechanics

5. Restricted Electives (9 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.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Completion of no more than 96 credit hours.
- None

8. Electives
   - 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.

Select 1:
- EAS 4710C Aerospace Design II or
- EGN 4413C Interdisciplinary Design II

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

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.

ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS
Accelerated Undergraduate-Graduate Programs

- 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 term.

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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program

(B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://mll.cah.ucf.edu/
E-mail: comdisug@mail.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 18 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 the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate 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 18 credit hours of graduate course work will be formally admitted into the master’s program in communication sciences and disorders following receipt of the bachelor’s degree

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics 3 hrs
   Select 1:
   Suggested STA 2014C Principles of Statistics or
   Suggested STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology 3 hrs
   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or
   Suggested ECO 2023 Principles of Microeconomics or
   Suggested POS 2041 American National Government 3 hrs

   E: Science Foundations (6 hrs)
   Prefer BSC 1005 Biological Principles 3 hrs
   Select one physical science

   2. Common Program Prerequisites (CPP) (0 hrs)
   None

   3. Core Requirements: Basic Level (0 hrs)
   None

   4. Core Requirements: Advanced Level (50 hrs)
   DEP 2004 Developmental Psychology 3 hrs
   LIN 3713 Language Science 3 hrs
   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 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3121L Basic Phonetics Lab 1 hr
   SPA 3123 Speech Science II: Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4321 Audiology Laboratory 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   Select 1:
   EAB 3703 Principles of Behavior Modification or
   EDF 3303 Learning Environments and Guidance for Young Children or
   EEC 4604 Classroom Management and Guidance of Young Children or
   EEX 4601 Introduction to Behavior Management or
   SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

   Statistics Requirement 6 hrs
   Students have two options in completing this requirement:
   Option 1:
   STA 2023 Statistical Methods I and 6 hrs
   STA 4163 Statistical Methods II 3 hrs
   Option 2:
   STA 2014C Principles of Statistics or 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   and
   1 SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

1 In the Accelerated Program, students may elect to enroll in SPA 6805 which replaces SPA 4803.

5. Restricted Electives (0 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
6. Capstone Requirements
   □ None

7. Foreign Language Requirements
   Admissions
   □ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

   Graduation
   □ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
   □ Select primarily from upper level courses after

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.

Total Semester Hours Required
□ 120

Honors In Major
□ Interested students should contact a faculty advisor

Related Programs
□ Early Childhood Education
□ Exceptional Student Education
□ Health Services Administration
□ Physical Therapy
□ Psychology
□ Social Work

Certificates
□ Language Development and Disorders

Related Minors
□ Aging Studies
□ Communication Sciences and Disorders
□ Early Childhood Education
□ Exceptional Education
□ Health Services Administration
□ Interpersonal/Organizational Communication
□ Linguistics
□ Psychology

Advising Notes
□ None

Transfer Notes
□ "D" (1.0) grades are not accepted
□ Courses taken at community college do not substitute for Upper Division courses

Course 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.

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

   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)

   See Computer Engineering major in the catalog for track GEP requirements.

3. Core Requirements: Basic Level (2 hrs)

   Computer Engineering: Basic Core
   □ EGN 1006C Introduction to the Engineering Profession (1 hr)
   □ EGN 1007C Engineering Concepts and Methods (1 hr)
## Accelerated Undergraduate-Graduate Programs

### 4. Core Requirements: Advanced Level

**Courses Required for the Engineering Core**
- EGN 3310  Engineering Analysis-Statics  3 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs

**Select 1:**
- EGN 3321  Engineering Analysis-Dynamics or  3 hrs
- EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

**Courses Required for the Major**
- COP 3330  Object Oriented Programming  3 hrs
- COP 3502C  Computer Science I  3 hrs
- COP 3503C  Computer Science II  4 hrs
- COP 4331C  Processes for Object-Oriented Software Development  4 hrs
- COP 4600  Operating Systems  3 hrs
- COT 3100C  Introduction to Discrete Structures  3 hrs
- EEE 3307C  Electronics I  3 hrs
- EEE 3342C  Digital Systems  3 hrs
- EEL 3123C  Networks and Systems  4 hrs
- EEL 3801C  Computer Organization  3 hrs
- EEL 4742C  Embedded Systems  4 hrs
- EEL 4768C  Computer Architecture  4 hrs
- EEL 4781  Computer Communication Networks  3 hrs

### 5. Restricted Electives

- 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

**EEL 4914** Senior Design I  3 hrs
**EEL 4915L** Senior Design II  3 hrs

### 7. Foreign Language Requirements

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

### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- 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, the CLAS and nine hours of Summer credit (if applicable)

**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

- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary

### Advising Notes

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

### 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: $45 per term
- Full-Time Student: $90 per term

### Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science**

**Harris Corp. Engineering Center, Room: 346**

http://www.eecs.ucf.edu

Dr. Ron Dutton, dutton@eecs.ucf.edu
Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

### 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) (36 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) (0 hrs)
- See Computer Science major in the catalog for the CPP requirements.

### 3. Core Requirements: Basic Level (25 hrs)
- A “C” (2.0) or better is required in all courses listed.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3103 Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360 Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402 Systems Software</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>4 hrs</td>
</tr>
<tr>
<td>COP 3100C Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3960 CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (20 hrs)
- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4020 Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C Processes for Object-Oriented Software</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4600 Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4210 Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4610 Topics in Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 478C Computer Architecture</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (15 hrs)
- Must be offered by Computer Science at UCF.

### 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
- 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
- Computer Competency met by completion of major

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required
- 120

### Total Combined Hours Required
- 138

### Honors In Major
- None

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

### 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.

### 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

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**UNIVERSITY OF CENTRAL FLORIDA**

409 Undergraduate Catalog 2010-2011
Accelerated Undergraduate-Graduate Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

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
Phone: 407-823-3266

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student’s personal interests and career goals.

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Suggested COP 2223 Introduction to Programming with C
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I
   Select 1: MAC 2311 Calculus with Analytic Geometry I or MAC 2313 Calculus with Analytic Geometry II or STA 4321 Statistical Theory I
   Select 2: MAC 2312 Calculus with Analytic Geometry II or STA 4322 Statistical Theory II

2. Core Requirements: Basic Level (0 hrs)
   None

3. Core Requirements: Advanced Level (16 hrs)
   Undergraduate Major Courses
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

Select one of the following sequences of courses:
MAC 2311 Calculus with Analytic Geometry I and ECO 2023 Principles of Microeconomics
MAC 2312 Calculus with Analytic Geometry II and ECO 2013 Principles of Macroeconomics
MAC 2313 Calculus with Analytic Geometry III and STA 2023 Statistical Methods I
STA 4321 Statistical Theory I and STA 4322 Statistical Theory II

4. Required Minors
   None

5. Restricted Electives (3 hrs)
   Select any other 3000-4000 level economics course

6. Capstone Requirements
   None

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

   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - Completion of a minor in one of the following:
    - Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

11. Departmental Exit Requirements
    - A minimum grade of 2.5 is required for all courses taken in the major and minor.
    - Computer Competence is met by Research Methods 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, the CLAS and nine hours of Summer credit (if applicable)
Accelerated Undergraduate-Graduate Programs

Total Semester Hours Required
- 135

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted
- Courses taken at community college 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.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (15 hrs)
- ECO 6118 Microeconomic Theory I 3 hrs
- ECO 6206 Macroeconomic Theory I 3 hrs
- ECO 6403 Mathematical Economics 3 hrs
- ECO 6424 Econometrics I 3 hrs
- ECO 6XXX Economics Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgiopoulos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

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. Common Program Prerequisites (CPP) (0 hrs)
   - See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - Engineering Core: Basic
     - EGN 1006C Introduction to the Engineering Profession 1 hr
     - EGN 1070C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
   - Engineering Core: Advanced
     - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.
     - EGN 3310 Engineering Analysis-Statics 3 hrs
     - EGN 3420 Engineering Analysis 3 hrs
     - PHY 3101 Physics for Engineers and Scientists III 3 hrs
     - STA 3032 Probability and Statistics for Engineers GEP

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics
- EGN 3358 Thermo-Fluids-Heat Transfer

Courses Required for the Major (41 hrs)
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
   - Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- 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
- None
Accelerated Undergraduate-Graduate Programs

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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
   - 128

Total Combined Hours Required
   - 146

Honors In Major
   - (None)

Related Programs
   - Computer Engineering
   - Computer Science
   - Mathematics - Engineering/Physics Track
   - Physics

Certificates
   - (None)

Related Minors
   - Engineering Leadership
   - Intelligent Robotic Systems (IRS) - Interdisciplinary
   - Mathematics
   - Physics

Advising Notes
   - The following will be waived for this joint degree program:
   - The limit of nine hours to be shared between undergraduate and graduate programs.
   - Undergraduate students taking graduate courses must be within nine hours of graduation.
   - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
   - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
   - (None)

Acceptable Substitutes for Transfer Courses
   - (None)

Shared Courses
   - Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

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

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu
Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2224

Purpose of this degree - 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 courses to meet this requirement.
   - Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
   - The B.A. will be awarded after completion of 36 hours of history classes.
   - The M.A. will be awarded upon completion of the program.
   - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
   - See the History major in this catalog for track specific GEP requirements
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
   - 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

1 See Transfer Notes for possible substitutes
3. Core Requirements: Basic Level (6 hrs)
Select one of the following sequences of courses:
- EUH 2000 Western Civilization I and EUH 2001 Western Civilization II (3 hrs)
- WOH 2012 World Civilization I and 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
  - Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 147

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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

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
Accelerated Undergraduate-Graduate Programs

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, wthompso@mail.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 first semester 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) (0 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (0 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.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (58 hrs)
Industrial Engineering Core: Advanced 15 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

Select 1:
EGN 3358 Thermodynamics or 3 hrs
EGN 3359 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs
■ Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed.

EGN 3613 Engineering Economic Analysis 2 hrs
EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs

EIN 3314C Work Measurement & Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364C Industrial Facilities Planning and Design 3 hrs
EIN 4391C Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIN 5108 The Environment of Technical Organizations 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
ESI 5306 Operations Research 3 hrs
ESI 5531 Discrete Systems Simulation 3 hrs
STA 3023 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (3 hrs)
■ Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements

EN 4516C Systems Analysis and Design 3 hrs
EN 4891C Industrial Engineering Senior Design Project 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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
128

Total Combined Hours Required
146

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
■ The following will be waived for this joint degree program:
■ The limit of nine hours to be shared between undergraduate and graduate programs.
■ Undergraduate students taking graduate courses must be within nine hours of graduation.
■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
■ Undergraduate students are not eligible to take 6000-level courses.
## Mechanical Engineering - Accelerated Undergraduate-Graduate Program

**B.S. / M.S.M.E., M.S.M.S.E., or M.S.A.E.**

**College of Engineering and Computer Science**

**Department of Mechanical, Materials, and Aerospace Engineering**, Engineering, Room: 307

http://www.mmae.ucf.edu

Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Alain Kassab, kassab@mail.ucf.edu
Dr. Kuo-Chi (Kurt) Lin, klin@mail.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 (65 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
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<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
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<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
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<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
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<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
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<td>EML 3054C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
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<td>EML 3500</td>
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<td>Fluid Mechanics I</td>
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<td>EML 4142</td>
<td>Heat Transfer</td>
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<td>EML 4220</td>
<td>Vibration Analysis</td>
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<td>EML 4312C</td>
<td>Feedback Control</td>
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<td>EML 4535C</td>
<td>CAD/CAM</td>
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<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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</tbody>
</table>

### 5. Restricted Electives (21 hrs)

- Technical electives should be taken at the 5000 or 6000 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.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None
### Accelerated Undergraduate-Graduate Programs

#### 11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
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<tbody>
<tr>
<td>EGN 4412C Interdisciplinary Design I or</td>
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<tr>
<td>EML 4501C Engineering Design I</td>
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<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>EGN 4413C Interdisciplinary Design II or</td>
<td>3 hrs</td>
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<tr>
<td>EML 4502C Engineering Design II</td>
<td>3 hrs</td>
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</tbody>
</table>

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Undergraduate Hours Required**
- 128

**Total Combined Hours Required**
- 146

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

**Career and Academic Advising**
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

| EML 3990 Mechanical Career and Academic Faculty | 0 hrs |
| EML 4991 Mechanical Career and Academic Faculty | 0 hrs |

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Shared Courses**
- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.Up to 12 credit hours of approved 5000 and 6000 level courses with grades of “B” (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

### 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

### Molecular Biology and Microbiology - UCF/USF Accelerated Medical School (B.S.)

#### College of Medicine

**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**
http://www.biomed.ucf.edu

**E-mail**: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Students seeking admission to University of South Florida College of Medicine (USFCOM) through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

**Admission Requirements**
- Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. **UCF General Education Program (GEP)** (36 hrs)
   - Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101H Honors Freshman Composition I 3 hrs
   - Required ENC 1102H Honors Freshman Composition II 3 hrs
   - Required SPC 1603H Honors Fundamentals of Technical Writing 3 hrs

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

   **C: Mathematical Foundations** (9 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   **D: Social Foundations** (6 hrs)

   **E: Science Foundations**
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   BSC 2010X Biology I GEP
   1 BSC 2011C Biology II 4 hrs
   2 CHM 2045C Chemistry Fundamentals I GEP
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   MAC 2311 Calculus with Analytic Geometry I GEP
Select one of the following sequences of courses:

- PHY 2053C  College Physics I and 4 hrs
- PHY 2054C  College Physics II 4 hrs

or

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

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
- SLS 2311C  Overview of Select Medical Careers 2 hrs

Math, Calculus and Statistics
- MAC 2311  Calculus with Analytic Geometry I GEP
- STA 2023  Statistical Methods I GEP

Chemistry
- Take all of the following: 8 hrs
  - CHM 2210  Organic Chemistry I and 3 hrs
  - CHM 2211  Organic Chemistry II and 3 hrs
  - CHM 2211L  Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (0 hrs)

Life Sciences: Advanced 26 hrs
- BSC 3403C  Quantitative Biological Methods 4 hrs
- MCB 3020C  General Microbiology 5 hrs
- MCB 4912  Directed Independent Research 3 hrs
- MCB 4941  Internship 1 hr
- PCB 3233L  Immunology Laboratory 1 hr
- PCB 3522  Molecular Biology I 3 hrs
- PCB 4239  Molecular Immunology 3 hrs
- PCB 4524  Molecular Biology II 3 hrs

Chemistry
- BCH 4053  Biochemistry I 3 hrs

5. Restricted Electives (8 hrs)

- Five restricted electives satisfied by first year medical school
- PCB 3703C  Human Physiology 4 hrs
- ZOO 3733C  Human Anatomy 4 hrs

Students decelerating to the 4 year B.S. program must take the following additional courses:
- MCB 4414  Microbial Metabolism 3 hrs
- 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum)

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

Additional USF/UCF Advanced Requirements
- IDH 1921H  Honors Symposium II 2 hrs

Select 1: 3 hrs
- ENC 3241  Writing for the Technical Professional
- ENC 3241H  Honors Writing for the Technical Professional

Select 1: 3 hrs
- PAF 3753H  Honors Ethical Issues in Health and Public Affairs or
- PHI 4633H  Honors Ethics and Biological Science

10. Required Minors

- None

11. Departmental Exit Requirements

- For decelerated program, the 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 Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Biology
- Interdisciplinary Studies

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
- BSC 3403C  Quantitative Biological Methods 4 hrs
- MCB 3020C  General Microbiology 5 hrs
- MCB 4912  Directed Independent Research 3 hrs
- MCB 4941  Internship 1 hr
- PCB 3233L  Immunology Laboratory 1 hr
- PCB 3522  Molecular Biology I 3 hrs
- PCB 4239  Molecular Immunology 3 hrs
- PCB 4524  Molecular Biology II 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term
Accelerated Undergraduate-Graduate Programs

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Ms. Patricia Leil, 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.
- All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- 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 nine (9) common program prerequisites must be completed by the program application deadline. This includes (Chemistry with Lab, at least 2 other courses from Group A and the remainder from Groups A or B.

Chemistry with Lab
- required with grade of B- or better.

Group A
- grade of B- (92.75) or better

Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab (or A&P I, II) 4 hrs

Group B
- grade of C or better

Sociology 3 hrs
Psychology 3 hrs
Developmental Psychology 3 hrs
Human Nutrition 2 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) (0 hrs)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (31 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 CHM 1032 General Chemistry 3 hrs
2 CHM 1032L General Chemistry Laboratory 1 hr
1 HUN 3011 Human Nutrition 3 hrs
1 MCB 2004C Microbiology for Health Professionals 4 hrs
2 PCB 3703C Human Physiology 4 hrs
PSY 2012 General Psychology 3 hrs
SYG 2000 Introduction to Sociology 3 hrs
1 ZOO 3733C Human Anatomy 4 hrs

Select 1:
1 STA 2014C Principles of Statistics or
2 STA 2023 Statistical Methods I 3 hrs

Select 1:
1 DEP 2004 Developmental Psychology or
2 SOW 3104 Assessing I: Human Development 3 hrs

1 science prerequisite

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (57 hrs)

- Any variation from the following must be approved by the College of Nursing.

Students may petition to waive elective requirement.

NUR 3028 Essentials of Nursing Practice Lab 2 hrs
NUR 3028L Essentials of Nursing Practice 1 hr
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
1 NUR 3167 Accelerated Nursing Research Seminar 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 3345 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
Accelerated Undergraduate-Graduate Programs

NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4257 Introduction to Critical Care Nursing 3 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
NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
NUR 4945L Nursing Practicum 4 hrs

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
Nursing Elective 3 hrs
Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
None
Graduation
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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
57

Honors In Major
University Honors and Honors in the Major Available

Related Programs
- Health Services Administration
- Social Work

Certificates
None

Related Minors
- Aging Studies
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
None

Transfer Notes
- 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 comprehensive chemistry course w/lab) (4hrs)
- 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 2004) or any Human Growth & Development Across Life Span course (3 hrs)
- Human Nutrition with Therapeutic Nutrition course (3 hrs)

Acceptable Substitutes for Transfer Courses
None

Shared 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

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
HPA-1, Room: 220
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Ms. Barbara Lange, 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.

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 meeting 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 community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
<table>
<thead>
<tr>
<th>Degree Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who change degree programs and select this major must adopt the most current catalog year, including minors.</td>
</tr>
<tr>
<td>Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.</td>
</tr>
<tr>
<td>Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.</td>
</tr>
<tr>
<td>The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities.</td>
</tr>
<tr>
<td>UCF Residency Requirement: 30 hours</td>
</tr>
<tr>
<td>The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements</td>
</tr>
<tr>
<td>The MSN is awarded after program completion</td>
</tr>
<tr>
<td>The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours</td>
</tr>
<tr>
<td>An individualized plan of study is developed for each student admitted to the RN to MSN option.</td>
</tr>
</tbody>
</table>

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 1508 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - Prefer: MAC 1105 College Algebra 3 hrs
   - Required: STA 2014C Principles of Statistics 3 hrs

   **C: Mathematical Foundations (6 hrs)**
   - Prefer: MAC 1105 College Algebra 3 hrs
   - Required: STA 2014C Principles of Statistics 3 hrs

   **D: Social Foundations (6 hrs)**
   - Select 1: 3 hrs
   - Required: PSY 2012 General Psychology or
   - Required: SYG 2000 Introduction to Sociology 3 hrs

   **E: Science Foundations (6 hrs)**
   - Required: BSC 2010C Biology I 4 hrs
   - Required: CHM 1032 General Chemistry 3 hrs
   - Required: CHM 1032L General Chemistry Laboratory 1 hr

2. Common Program Prerequisites (CPP) (22 hrs)

   **Select 1:** 3 hrs
   - STA 2014C Principles of Statistics or
   - STA 2023 Statistical Methods I

   **Select 1:** 3 hrs
   - DEP 2004 Developmental Psychology or
   - SOW 3104 Assessing I: Human Development

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (30 hrs)

   - NUR 3165 Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 4604L Practicum in Community and Public Health 4 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

5. Restricted Electives (27 hrs)

6. 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 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
   - NUR 3445L Nursing Care of Families Clinical 3 hrs
   - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   - NUR 4227 Nursing Care of the Adult II: Clinical Practice 3 hrs

7. Interim Requirements:

   - Maintain a Nursing GPA of 3.0
   - An individualized plan of study is developed for each student admitted to the RN to MSN option.

8. Admission Requirements for Graduate Program Phase:

   - These requirements should be met one semester before the BSN is awarded.
   - Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines).
   - Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
   - An updated resume

9. 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 community college 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 Community or State College or other universities.
   - 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.

10. 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 1508 Fundamentals of Oral Communication 3 hrs

    **B: Cultural & Historical Foundations (9 hrs)**
    - Prefer: MAC 1105 College Algebra 3 hrs
    - Required: STA 2014C Principles of Statistics 3 hrs

    **C: Mathematical Foundations (6 hrs)**
    - Prefer: MAC 1105 College Algebra 3 hrs
    - Required: STA 2014C Principles of Statistics 3 hrs

    **D: Social Foundations (6 hrs)**
    - Select 1: 3 hrs
    - Required: PSY 2012 General Psychology or
    - Required: SYG 2000 Introduction to Sociology 3 hrs

    **E: Science Foundations (6 hrs)**
    - Required: BSC 2010C Biology I 4 hrs
    - Required: CHM 1032 General Chemistry 3 hrs
    - Required: CHM 1032L General Chemistry Laboratory 1 hr

11. Science Foundation is 6 credit hours for General Education Program; however, the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab or its equivalent. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

12. 2. Common Program Prerequisites (CPP) (22 hrs)

    **Select 1:** 3 hrs
    - STA 2014C Principles of Statistics or
    - STA 2023 Statistical Methods I

    **Select 1:** 3 hrs
    - DEP 2004 Developmental Psychology or
    - SOW 3104 Assessing I: Human Development

13. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

14. May take Anatomy and Physiology sequence of six-eight total credits.

15. 3. Core Requirements: Basic Level (0 hrs)

16. None

17. 4. Core Requirements: Advanced Level (30 hrs)

    - NUR 3165 Nursing Research 3 hrs
    - NUR 3634 Community Health Nursing 3 hrs
    - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
    - NUR 4604L Practicum in Community and Public Health 4 hrs
    - NUR 4637 Public Health Nursing 2 hrs
    - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

18. NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS

    - Take the following 12 credits (nine graduate credits also applied to MSN)
      - NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
      - NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and 1 hr
      - NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
      - NGR 5638 Health Promotion and 3 hrs
      - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

19. NURSING LEADERSHIP & MANAGEMENT TRACK

    - Takes the following 12 credits (nine graduate credits also applied to MSN)
      - NGR 5720 Organizational Dynamics and 3 hrs
      - NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
      - NGR 5871 Health Care Informatics and 3 hrs
      - NUR 3065 Health Assessment and 2 hrs
      - NUR 3065L Health Assessment Lab 1 hr

20. 5. Restricted Electives (27 hrs)

21. Upper Division Credit

    - May be met by validation
    - NUR 3028 Essentials of Nursing Practice 2 hrs
    - NUR 3028L Essentials of Nursing Practice Lab 1 hr
    - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
    - NUR 3445L Nursing Care of Families Clinical 3 hrs
    - NUR 3445L Nursing Care of Families Clinical 2 hrs
    - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
    - NUR 4227 Nursing Care of the Adult II: Clinical Practice 3 hrs

22. UNIVERSITY OF CENTRAL FLORIDA

23. UNDERGRADUATE CATALOG 2010-2011

24. 420
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 profi-
   ciency exam).

   Graduation
   ■ None

8. Electives
   ■ Variable to meet degree requirements.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Completion of all courses in major with a grade of “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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Health Services Administration

Certificates
■ Aging Studies

Related Minors
■ Health Sciences
■ Health Services Administration
■ Psychology

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Shared 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/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 Community College with an A.S. degree in one of the following five programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and a new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students have the option of completing the state approved general education program at a Florida Community or State College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

Applied Science - A.S. to B.S. Track (B.A.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
12201 Research Parkway, Room: Suite 101
http://www.regionalcampuses.ucf.edu/
Helen Hill, Director of Regional Campuses, 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.

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 state or community college or state university and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college.)

Admission Requirements
- Completion of an A.S. degree from a Florida public state or community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, 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) (0 hrs)
- None

3. Core Requirements: Basic Level (10 hrs)
- MAN 3025 Management of Organizations (4 hrs)
- Select 1:
  - 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 (0 hrs)
- None

5. Restricted Electives (0 hrs)
- Area of Concentration (Choose one)
- All tracks are not available at all locations.
### Statewide Articulated A.S. To B.S. Programs

#### Supervision and Administration Track
- **20 hrs**
- **Take all of the following:**
  - ACG 3082 Accounting For Non-Business Majors and 3 hrs
  - INP 3004 Industrial/Organizational Psychology and 3 hrs
  - ISM 3011C Essentials of Management Information Systems and 4 hrs
  - MAN 3302 Essentials of Human Resource Management for Non-Business Majors and 3 hrs
  - MAN 3354 Employee Training for Non-Business Majors and 3 hrs
  - MAR 3023 Marketing 4 hrs

#### Industrial Operations Track
- **21 hrs**
- Students are strongly urged to complete STA 2023 within the general education program.
- **Take all of the following:**
  - CET 3010 Introduction to Information Technology and 3 hrs
  - ECI 3116 Applied Engineering Quality Assurance and 3 hrs
  - ETI 3671 Technical Economic Analysis and 3 hrs
  - ETI 4186 Applied Reliability and 3 hrs
  - ETI 4448 Applied Project Management and 3 hrs
  - ETI 4635 Technical Administration and 3 hrs
  - ETI 4640 Operations Management for Technologists 3 hrs

#### Criminal Justice Track
- **18 hrs**
- **Select 2:**
  - CJC 3014 Crime in America 3 hrs
  - CJC 3024 Criminal Justice System 3 hrs
  - CJO 4014 Police and Society or 3 hrs
  - CIL 3510 Prosecution and Adjudication 3 hrs

Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor 6 hrs

#### Legal Studies Track
- **18 hrs**
- **Take all of the following:**
  - PLA 3014 Law and the Legal System and 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - Select 4:
    - PLA 3155 Legal Writing or 3 hrs
    - PLA 3205 Civil Practice and Procedure or 3 hrs
    - PLA 3277 The Law of Torts or 3 hrs
    - PLA 3309 Criminal Procedure or 3 hrs
    - PLA 4424 The Law of Contracts or 3 hrs
    - PLA 4703 Professional Ethics and Liability 3 hrs

#### Health Services Administration
- **18 hrs**
- **Take all of the following:**
  - 1 HSA 3111 U.S. Health Care Systems and 3 hrs
  - HSA 4180 Organization & Management for Health Agencies I and 3 hrs
  - 2 HSA 4191 Health Care Automation and 3 hrs
  - HSC 4201 Community Health and 3 hrs
  - 3 HSC 4500 Epidemiology 3 hrs

#### Information Technology Track
- **21 hrs**
- Students are strongly urged to complete STA 2023 within the general education program.
- **Take all of the following:**
  - CET 3284 Systems Applications in C/C++ and 3 hrs
  - CET 3383 Applied Systems Analysis I and 3 hrs
  - CET 3379 Intro to Telephony and 3 hrs
  - CET 4427 Applied Database I and 3 hrs
  - CET 4663 Computer and Network Security and 3 hrs
  - CET 4748 Wide Area Networks I and 3 hrs
  - CET 4749 Wide Area Networks II and 3 hrs
  - ECI 4448 Applied Project Management 3 hrs
  - PR: MAC 1105

#### Early Childhood Education Track
- **21 hrs**
- **Take all of the following:**
  - CET 4663 Computer and Network Security and 3 hrs
  - CET 4748 Wide Area Networks II and 3 hrs
  - EEC 3700 Social and Emotional Development of Young Children and 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood and 3 hrs
  - 1 EEC 4604 Classroom Management and Guidance of Young Children and 3 hrs
  - EEX 3450 Young Children With Special Needs and 3 hrs
  - EEX 4751 Parent Involvement in Education and 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts and 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - Students in Schools

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### 8. Electives
- None

#### 9. Additional Requirements
- 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

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1. HSA 3111 is a prerequisite for all of the following classes
2. PR: CGS 2100C
3. PR: STA 2014C or STA 2023
Statewide Articulated A.S. To B.S. Programs

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.coahp.ucf.edu/crim jus/
E-mail: cjadvise@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 public state or community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public state or community college 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 community college
- 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) (0 hrs)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCL 3510 Prosecution and Adjudication 3 hrs

5. Restricted Electives (30 hrs)
- 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130
Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Psychology
- Public Administration

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 public state or community college.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public state or community college 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 and CLAS requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be held 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.
   - Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.

3. Core Requirements: Basic Level (0 hrs)
   - 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 I 3 hrs
     - FIN 3403C Business Finance 3 hrs
     - GEB 3031 Cornerstone Lab: Professional Skills for Business 1 hr
     - GEB 3031L Cornerstone: Professional Skills for Business 4 hrs
     - ISM 3011C Essentials of Management Information Systems 3 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAR 3023 Marketing 4 hrs

5. Restricted Electives (15 hrs)
   - Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
   - At least two of the following courses must be at the 4000 level.
   - Finance
     - FIN 3303 Financial Markets or 3 hrs
     - FIN 3414 Intermediate Corporate Finance or 3 hrs
     - FIN 3504 Investment Analysis 3 hrs
   - Management
     - GEB 3113 How to Start a Business or 3 hrs
     - GEB 4435 Legal Environment of Business or 3 hrs
     - MAN 3301 Management of Human Resources or 3 hrs
     - MAN 4240 Organizations: Theory and Behavior or 3 hrs
     - MAN 4441 Conflict Resolution and Negotiation 3 hrs
   - Management Information Systems (MIS)
     - ISM 3253 MIS Techniques or 4 hrs
     - ISM 4153 Enterprise Information Systems or 3 hrs
     - ISM 4154 Enterprise Application Development 3 hrs
   - Marketing
     - MAR 3403 Sales Force Management or 3 hrs
     - MAR 3613 Marketing Analysis and Research or 3 hrs
     - MAR 4156 International Marketing or 3 hrs
     - MAR 4841 Services Marketing 3 hrs
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Economics 9 hrs
  - ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
    - ECO 3223 Money and Banking and 3 hrs
    - ECP 3203 Labor Economics and 3 hrs
    - ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
  - 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 should be 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
    - MAN 3025 Management of Organizations 4 hrs
    - MAR 3023 Marketing 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
  - Must be outside of the College of Business (variable)

9. Additional Requirements
  - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
  - 132

Honors In Major
  - None

Related Programs
  - None

Certificates
  - None

Related Minors
  - None

Advising Notes
  - Florida Public Community College 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
  - Courses taken at community colleges 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.
  - ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses
  - None

Plan of Study
  - None

Program Academic Learning Compacts
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
    - http://www.oeas.ucf.edu/alc/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
E-mail: 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 public state or community college 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

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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. Core Requirements: Basic Level (3 hrs)
   - MAC 1105 College Algebra

Select 1:
- CGS 2100C Computer Fundamentals for Business or STA 2023
  - GEP
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

4. Core Requirements: Advanced Level (27 hrs)
   - Hospitality Management Core
     - HFT 3431 Hospitality Industry Managerial Accounting
     - HFT 3540 Guest Services Management I
     - HFT 4286 Hospitality Communications
     - HFT 4295 Leadership and Strategic Management in Hospitality Industry
     - HFT 4464 Hospitality Industry Finance
     - HFT 4941 Internship
     - HFT 4944 Practicum

   Select 3
   - HFT 3263 Restaurant Management
   - HFT 3273 Principles of Resort Timesharing or HFT 3274 Tourism Entrepreneurship
   - HFT 4277 Yacht, Country, And City Club Management or HFT 4755 Theme Park and Attraction Management

   Guest Lecture
   - HFT 3933 Distinguished Lectures in Hospitality Management
     - 1 hr

5. Restricted Electives (15 hrs)
   - Students should select one of the following options to fulfill their restricted electives requirement:
     - Restricted Electives (15 hrs)
       - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and Event Management B.S.) offered by the Rosen College.
       - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

   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 3784 Amusement Technology
       - HFT 4539 Managing the Employee Experience in the Theme Park and Attraction Industry
       - HFT 4614 Risk Management in Theme Parks and Attractions
       - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry
       - HFT 4759 Product Development in Theme Parks and Attractions
       - HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry
       - HFT 4796 Operational Issues in the Theme Park and Attraction Industry

Golf and Club Management Track (15 hrs)
   - HFT 1350 Career & Promotional Development in Golf or HFT 1356 Concepts and Practices of Golf Associations
   - HFT 2359 Design & Maintenance of Golf Equipment or HFT 3353 Golf Planning & Operations I
   - HFT 3354 Agronomy for Golf Course Management or HFT 3355 Golf Planning & Operations II
   - HFT 3357 Golf Event Operations or HFT 3384 Golf and Club Enterprises Management
   - HFT 4358 Golf Course Facility Design

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 124

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - None

Transfer Notes
   - Florida public state or community college 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.
Statewide Articulated A.S. To B.S. Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- HFT 2401: Hospitality Industry Financial Accounting (3 hrs)
  - may be substituted with: ACG X001
- HFT 2401: Hospitality Industry Financial Accounting (3 hrs)
  - may be substituted with: ACG X011

Plan of Study

- 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

HPA-1, Room: 220

http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Ms. Barbara Lange, RN-BSN Coordinator
Phone: 407-823-2744

Completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida state or public community 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 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public state or community college 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 public community or state college should follow section “B” - RN to BSN Program
  - Current RN License or license eligible
  - Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

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 community or state college or other universities and should usually be completed in the first 60 hours

A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program

UCF Residency Requirement: 32 hours

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

- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations

- Required ENC 1101: Composition I (3 hrs)
- Required ENC 1102: Composition II (3 hrs)
- Required SPC 1608: Fundamentals of Oral Communication (3 hrs)

B: Cultural & Historical Foundations

- Required STA 2014C: Principles of Statistics (3 hrs)
- Required STA 2023: Statistical Methods I (3 hrs)

C: Mathematical Foundations

- Required MAC 1105: College Algebra (3 hrs)
- Required STA 2014C: Principles of Statistics (3 hrs)

D: Social Foundations

- Required PSY 212: General Psychology (3 hrs)
- Required SYG 2000: Introduction to Sociology (3 hrs)

E: Science Foundations

- Required BSC 2010C: Biology I (4 hrs)

Select one of the following sequences of courses:

- Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (19 hrs)

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

Select 1:

- 1 STA 2014C: Principles of Statistics (3 hrs)
- 2 STA 2023: Statistical Methods I (3 hrs)

Select 1:

- 1 DEP 2004: Developmental Psychology (3 hrs)
- 2 SOW 3104: Assessing I: Human Development (3 hrs)

3. Core Requirements: Basic Level (0 hrs)

- None
4. Core Requirements: Advanced Level (51 hrs)

UCF Core
- 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 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 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 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 Practice 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
  - NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
- Any two upper division nursing electives 6 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 to meet degree requirements

9. Additional Requirements
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 Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- 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
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 adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

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 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System 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 Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, 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. (Exceptions are listed on the next page.) For example, a freshman composition skills course is offered by 58 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, having the same prefix and course number without a lab indicator, which 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 community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college 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 systems. 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 sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

### Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit 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>

| English Composition Lower (Freshman) | Level at this institution | Freshman Composition Skills | Freshman Composition Skills I |

**UNIVERSITY OF CENTRAL FLORIDA**

430 Undergraduate Catalog 2010-2011
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 varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.
D. College preparatory and vocational preparatory courses.
E. Graduate courses.
F. Internships, 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 are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions
The Statewide Course Numbering System makes available on its home page (http://scnsfldoe.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 Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scnsfldoe.org.
Common Course Numbering System

ECP  Economic Problems & Policy
ECS  Economic Systems & Development
EDA  Educational Administration
EDE  Education: Elementary
EDP  Education: Foundations and Policy Studies
EDG  Education: General
EDH  Education: Higher
EDM  Education: Middle School
EDP  Educational Psychology
EDS  Education Supervision
EED  Education: Early Childhood
EED  Education: Emotional Disorders
EEE  Engineering: Electrical and Electronic
EEL  Engineering: Electrical
EER  Electrical/Electronics Repair
EES  Environmental Engineering Science
EET  Electronic Engineering Technology
EVE  Electrical/Electronic: Vocational
EXE  Education: Exceptional Child
- Core Competencies
ECC  Counselor Education
EGI  Education: Gifted
EGM  Engineering Science
EGG  Engineering: General
EGS  Engineering: Support
EHD  Education: Hard Of Hearing & Deaf
EIA  Education: Industrial Arts
EIN  Education: English General
EIV  Education: English Vocational
EIL  Education: Special Learning Disabilities
ELR  Prefix Discontinued. All Courses Reassigned
EMA  Materials Engineering
EMC  Engineering: Mechanical & Chemical
EME  Engineering: Technology and Media
EML  Engineering: Mechanical
EMR  Education: Mental Retardation
EMS  Emergency Medical Services
ENC  English Composition
ENG  English - General
ENL  English Literature
ENS  English For Non-Native Speakers
ENT  Entrepreneurship
ENU  Engineering: Nuclear
ENV  Engineering: Environmental
ENY  Entomology
EOC  Ocean Engineering
EPO  Education: Physical & Multiple Disabilities
EPI  Education: Physical & Multiple Handicapped
EPI  Educator Preparation Institutes
ESC  Earth Science
ESE  Education: Secondary
ESI  Industrial/Systems Engineering
ESL  College-Prep English For Non-Native Speakers
(Dis. Eff. 2005)
ENT  Entrepreneurship
ENU  Engineering: Nuclear
ENV  Engineering: Environmental
ENY  Entomology
EOC  Ocean Engineering
EPO  Education: Physical & Multiple Disabilities
EPI  Education: Physical & Multiple Handicapped
EPI  Educator Preparation Institutes
ESC  Earth Science
ESE  Education: Secondary
ESI  Industrial/Systems Engineering
ESL  College-Prep English For Non-Native Speakers
(Dis. Eff. 2005)
EST  Electronic Specialty Technology
ETC  Engineering Technology: Civil
ETD  Educational Technology: Drafting
ETG  Engineering Technology: General
ETI  Engineering Technology: Industrial
ETM  Engineering Technology: Mechanical
ETN  ElectromedicalTechniques
EUH  European History
EUS  European Studies
EVI  Education: Visually Impaired-Blind
EVR  Environmental Studies
EVS  Environmental Science
EVT  Education: Vocational/Technical
EXP  Experimental Psychology
FAD  Home Economics: Family Development
FAM  Fashion Modeling
FAS  Fishery & Aquacultural Science
FES  Fire and Emergency Services
FFF  Fire Fighting & Protection
FIL  Film
FIN  Finance
FLE  Foreign Language Education
FNR  Forestry & Natural Resources
FOL  Foreign Languages
FOR  Forestry
FOS  Food Science
FOT  Foreign Languages (In Translation)
FOW  Foreign Languages, Comparative Literature
FRC  Fruit Crops
FRE  French Language
FRT  French Culture in Translation
or Translation Skills
FRW  Foreign Literature (Writings)
FSE  Funeral Services
FSS  Food Service Systems
FYC  Family, Youth and Community
GCO  Golf Course Operations
GEA  Geography: Regional Areas
GEB  General Business
GEO  Geography: Systematic
GER  German
GET  German Culture in Translation
GMW  German Modern Literature (Writings)
GRA  Graphic Arts
GRE  Classical Greek (Language Study)
GRG  Graphic Arts - Graduate-Level
GRK  Modern Greek Language
GWG  Classical Greek Literature (Writings)
HAI  Haitian Creole Language
HAT  Haitian Culture in Translation
or Translation Skills
HBR  Modern Hebrew Language
HBT  Modern Hebrew Culture in Translation
or Translation Skills
HCP  Health-Care Providers (Assistants)
HCE  Home Economics/Community
HEE  Home Economics Education
HEV  Home Economics - Vocational
HFT  Hospitality Management
HHR  Housing & Home Design
HIM  Health Information Management
HIN  Hindi Language
HIS  General History and Historiography
HIT  Hindi Culture in Translation or Translation Skills
HIV  Hindi Literature (Writings)
HLG  Health/Leisure/Physical Education
HME  Home Economics: Home Management and Equipment
HMV  Hospitality Management, Vocational
HMW  Modern Hebrew Literature (Writings)
HNG  Hungarian Language
HNT  Hungarian Culture in Translation
or Translation Skills
HNW  Hungarian Literature (Writings)
HOE  Home Economics: General
HOS  Horticultural Sciences
HPS  History and Philosophy of Science
HRD  Human Resources Development
HI  Industrial/Systems Engineering
(Discontinued Effective 2005)
HSA  Health Services Administration
HSC  Health Sciences
HUM  Humanities
HUN  Human Nutrition
HUS  Human Services
ICM  International Construction Management
ICW  Icelandic Literature
IDC  Interdisciplinary Computing
IDO  Interdisciplinary Design
IDH  Interdisciplinary Honors
IDN  Indonesian Language
IDS  Interdisciplinary Studies
IDT  Indonesian Culture in Translation
or Translation Skills
IDW  Indonesian Literature (Writings)
IEA  Industrial Education: Applied
IHS  Interdisciplinary Health Sciences
IND  Interior Design
INP  Industrial and Applied Psychology
INR  International Relations
INS  International Studies
INT  Sign Language Interpreting
IPI  Integrated Pest Management
ISC  Interdisciplinary Sciences
ISM  Information Systems Management
ISS  Interdisciplinary Social Sciences
ITA  Italian Language
ITT  Italian Culture in Translation or Translation Skills
ITW  Italian Literature (Writings)
JOU  Journalism
JPN  Japanese
JPT  Japanese Culture in Translation
or Translation Skills
JTW  Japanese Literature (Writings)
JST  Jewish Studies
JOR  Korean Language
JOF  Korean Culture in Translation
or Translation Skills
KOW  Korean Literature (Writings)
LAA  Landscape Architecture
LAE  Language Arts and English Education
LAH  Latin American History
LAS  Latin American Studies
LAT  Latin (Language Study)
Law  Law
LBS  Labor Studies
LDE  Landscape Design
LDR  Leadership Studies
LEI  Leisure
LGL  Lingala Language
LGT  Lingala Culture in Translation
or Translation Skills
LGW  Lingala Literature (Writings)
LIN  Linguistics
LIS  Library and Information Studies
LIT  Literature
LWN  Latin Literature (Writings)
MAA  Mathematics - Analysis
MAC  Mathematics - Calculus and Precalculus
MAD  Mathematics - Discrete
MAE  Mathematics Education
AG  Mechanized Agriculture
(Discontinued Effective 2005)
MAN  Management
MAP  Mathematics Applied
MAR  Marketing
MAS  Mathematics - Algebraic Structures
MAT  Mathematics
MCB  Microbiology
MCC  Special Topics in Mass Communication
MDW  Midwifery
MEA  Medical Assisting Technology
MEL  Medical Science Electives
MEM  Medieval and Early Modern Studies
MET  Meteorology
MGF  Mathematics - General and Finite
MHE  Mathematics - History and Foundations
MHS  Mental Health Services
MIS  Military Science
MKA  Marketing Applications
MLS  Medical Laboratory Science
MLT  Medical Laboratory Technology
MMC  Mass Media Communication
MNA  Management: Applied
MOB  Molecular Biophysics
MOM  Motorcycle Mechanics
MRE  Medical Records (Discontinued Effective 2003)
MSL  Military Science and Leadership
MSS  Massage
MTB  Mathematics - Technical and Business
MTE  Marine Technology and Nautical Science
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 Undergraduates

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Numbers</th>
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<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906, 5907</td>
</tr>
<tr>
<td>Directed Independent Research</td>
<td>4912, 5917</td>
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<tr>
<td>Special Undergraduate Research</td>
<td>3913, 4914</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932, 5937</td>
</tr>
<tr>
<td>*Internship, Practicums, Clinical Prac</td>
<td>3940, 4941, 5944</td>
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<tr>
<td>Cooperative Education*</td>
<td>1949, 2949, 3949, 4949, 5949</td>
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<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
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<tr>
<td>Honors Directed Reading*</td>
<td>4903H</td>
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<tr>
<td>Honors Directed Reading*</td>
<td>4904H</td>
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<tr>
<td>Study Abroad</td>
<td>4955, 5955</td>
</tr>
</tbody>
</table>

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:
ART 2500C CAH-ART (3,2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
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<td>BA</td>
<td>Business</td>
<td>BUS</td>
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<td>CAH</td>
<td>African American Studies</td>
<td>AAS</td>
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<td>CAH</td>
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<td>FILM</td>
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<td>CAH</td>
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<td>CAH</td>
<td>Judaic Studies</td>
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<td>CAH</td>
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<td>CAH</td>
<td>Theatre</td>
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<td>CAH</td>
<td>Women’s Studies</td>
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<tr>
<td>COM</td>
<td>Molecular Biology &amp; Microbiology</td>
<td>M&amp;M</td>
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<td>CON</td>
<td>Nursing</td>
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<tr>
<td>COS</td>
<td>Biology</td>
<td>BIOL</td>
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<td>Chemistry</td>
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<td>Communication</td>
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<td>Mathematics</td>
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<td>Physics</td>
<td>PHYS</td>
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<td>COS</td>
<td>Political Science</td>
<td>POLS</td>
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<td>RadiotV</td>
<td>RTV</td>
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<td>COS</td>
<td>Sociology &amp; Anthropology</td>
<td>SOC/AN</td>
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<td>COS</td>
<td>Statistics</td>
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UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021 BA-ACCT 3(3,0)

ACG 2021H BA-ACCT 3(3,0)

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Financial Accounting Concepts and Analysis: PR: Junior Standing. Accounting major or minor, and ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3361. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)

ACG 4284 BA-ACCT 3(3,0)

ACG 4401C BA-ACCT 3(3,0)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of “C” 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 with a grade of “C” 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 3141, ACG 3201, Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

ADV 4382 ED-TLP 3(3,0)
Teaching Adult Learners in Technical Programs: PR: EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall, Spring.

ADV 4008 COS-COMM 3(3,0)
Principles of Advertising: PR: SPC 1608, or SPC 1603, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: AD/P&R majors only and ADV 4008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4102 COS-COMM 3(3,0)
Radio-Television Advertising: PR: RTV or AD PR majors only and ADV 3068 or CI. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0)
Advertising Media Planning: PR: ADV 3068 and AD/P&R. Media planning and buying, including basic media terms, calculations, and resources. Fall, Spring.

AFA 2300 CAH-AAS 3(3,0)

AFA 3102 CAH-AAS 3(3,0)
Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0)

AFA 3428 CAH-AAS 3(3,0)

AFA 3955 CAH-AAS 6(6,0)
Study Abroad in Eastern Caribbean: PR: LAS 4910 or Junior standing. 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)

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: Graduate standing or senior standing or CI. 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)

AFH 3200 CAH-HIST 3(3,0)

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.

AFL 1101C ECS-AFROTC 1(1,2)

AFL 1111C ECS-AFROTC 1(1,2)

AFL 2130C ECS-AFROTC 1(1,2)
The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFL 2131C ECS-AFROTC 1(1,2)
The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFL 3220C ECS-AFROTC 3(3,2)
Air Force Leadership and Management: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFL 3230C ECS-AFROTC 3(3,2)
UCF Courses and Descriptions

AFR 4201C ECS-AFROTC 3(3,2)
National Security Affairs and Prep for Active Duty I; PR: AFR 3201C. Examination of the military and its role in American society. A study of the framework and formation of defense strategy. Hands on training. Fall.

AFR 4202C ECS-AFROTC 3(3,2)

AMH 2010 CAH-HIST 3(3,0)

AMH 2010H CAH-HIST 3(3,0)

AMH 2020 CAH-HIST 3(3,0)
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.

AMH 2020H CAH-HIST 3(3,0)

AMH 3370 CAH-HIST 3(3,0)
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. Occasional.

AMH 3402 CAH-HIST 3(3,0)
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's constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0)
History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "soul South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.

AMH 3422 CAH-HIST 3(3,0)

AMH 3431 CAH-HIST 3(3,0)

AMH 3441 CAH-HIST 3(3,0)
History of the Frontier: Eastern America: 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 American history. Occasional.

AMH 3442 CAH-HIST 3(3,0)

AMH 3541 CAH-HIST 3(3,0)

AMH 3547 CAH-HIST 3(3,0)
AMH 5116 CAH-HIST 3(3,0)  Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5137 CAH-HIST 3(3,0)  Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0)  Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0)  Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0)  Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0)  Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0)  Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0)  History of Technology: PR: Graduate standing or C. I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.

AMH 5391 CAH-HIST 3(3,0)  Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0)  Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0)  Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0)  Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Fall, Spring.

AMH 5566 CAH-HIST 3(3,0)  Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0)  AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3031 CAH-ENG 3(3,0)  American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning to Whitman. Fall, Spring.

AML 3041 CAH-ENG 3(3,0)  American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.

AML 3283 CAH-ENG 3(3,0)  Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Literature examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AML 3286 CAH-ENG 3(3,0)  Early American Women's Words: PR: ENC 1102. Women's writings in the Americas from the 18th century through the mid-19th century. Occasional.

AML 3613 CAH-ENG 3(3,0)  Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.

AML 3614 CAH-ENG 3(3,0)  Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. Occasional.

AML 3615 CAH-ENG 3(3,0)  Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writing focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0)  Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.

AML 3643 CAH-ENG 3(3,0)  Contemporary Native American Prose and Poetry: PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Madamay's House Made of Dawn (1968) and American Indian prose and poetry since that time. Occasional.

AML 3682 CAH-ENG 3(3,0)  Ethic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English-origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0)  Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English-origin to the literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0)  American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. Occasional.

AML 4153 CAH-ENG 3(3,0)  American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrett, Lowell, Plath, Rich, Roethke, and others. Occasional.

AML 4155 CAH-ENG 3(3,0)  Modern American Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Major American poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0)  Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. Occasional.

AML 4265 CAH-ENG 3(3,0)  Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 4300 CAH-ENG 3(3,0)  Major American Authors: PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected Major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4304 CAH-ENG 3(3,0)  Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.

AML 4321 CAH-ENG 3(3,0)  Modern American Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. Occasional.

AML 4630 CAH-ENG 3(3,0)  Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AML 5076 CAH-ENG 3(3,0)  American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American Literature, this course surveys texts produced in America from the colonial period to the present. Occasional.

AML 5156 CAH-ENG 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, Williams,) 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 routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0)  Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0)  Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0)  Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0)  Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0)  Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.
ANT 3363 COS-ANTHRO 3(3,0) Anthropology of Japan: PR: or CR: ANT 2000 or C.I. An examination of Japan's culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0) American Indian Literature and Culture in Florida: ENL 2100, or ENL 2101, or ENL 2102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.


ANT 3450 COS-ANTHRO 3(3,0) Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. Occasional.

ANT 3541 COS-ANTHRO 3(3,0) Biobehavioral Anthropology: PR: or CR: ANT 2000 and ANT 2140 or C.I. Introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3550 COS-ANTHRO 3(3,0) Primatology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3610 COS-ANTHRO 3(3,0) Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.

ANT 3701 COS-ANTHRO 3(3,0) Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8) Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated. Occasional.

ANT 4013 COS-ANTHRO 3(3,0) Anthropological Perspectives on Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. Occasional.


ANT 4144 COS-ANTHRO 3(3,0) Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World, e.g., the Folsom, Clovis, Sandy, etc., to the time of contact with European cultures. Occasional.

ANT 4153 COS-ANTHRO 3(3,0) North American Archaeology: PR: any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4180C COS-ANTHRO 3(1,4) Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2140 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit.

ANT 4183 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: ANT 2511, or ANT 2140, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4184 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: ANT 2000, or ANT 2140, or C.I. Archaeological investigation of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.


ANT 4303 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4308 COS-ANTHRO 3(3,0) Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women’s lives. Occasional.

ANT 4332 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or C.I. Anthropological survey of Latin America and Latin American culture in times of wars and revolutions. Odd Fall, Spring.


ANT 4408 COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

ANT 4462 COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000, or ANT 2511, or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2200C or C.I. Human biological variation and adaptation. Occasional.

ANT 4521C COS-ANTHRO 3(3,0) Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. Occasional.


ANT 4528C COS-ANTHRO 5(3,3) Advanced Forensic Anthropology: PR: ANT 2511 or C.I. An advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Even Spring.

ANT 4560 COS-ANTHRO 3(3,0) Anthropological Perspectives on Human Growth: PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. Odd Fall.

ANT 4586 COS-ANTHRO 3(3,0) Human Origins: PR: ANT 2511. The fossil evidence for human evolution from Miocene hominoids through the australopiths and the earliest members of the genus Homo. Spring.

ANT 4702 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological course. The role of culture in shaping the development of social systems and institutions. Odd Fall.


ANT 4824 COS-ANTHRO 9(0,9) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APA 3471 BA-ACCT 3(3,0) Accounting for Engineers: PR: Not open to business majors. General Accounting principles and practice, including accounting, budgeting, and control techniques. Not usable for BSBA degree credit. Occasional.

APK 2131C ED-CFCS 3(1,2) TriFit Training: Principles and practices of the three disciplines comprised of the triathlon. Students provide all personal equipment, including bicycle, helmet, swim goggles. Fall, Spring.

APK 3132 ED-CFCS 3(3,0) Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

APK 3400 COS-PHY 3(3,0) Sports Psychology: A review of principles of psychological science related to the enhancement of satisfaction and performance in sports. Occasional.

APK 4315 HPA-HP 3(3,0) Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

ARA 1120C CAH-LANG 4(3,1) Elementary Arabic Language and Civilization I: PR: Introduction to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1120H CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.

ARA 1121C CAH-LANG 4(3,1) Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.


ARA 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.
UFC Courses and Descriptions

ARA 2201 CAH-LANG 3(3,0)
Intermediate Arabic II: PR: ARA 2200 (Intermediate Arabic I) Equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARC 3181 CAH-CAH 3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3320L CAH-CAH 6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-CAH 6(0,9)
Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban design in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-CAH 3(3,0)
Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-CAH 3(3,0)
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstanding gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-CAH 3(3,0)
Environmental Technology 1: PR: ARC 3321L. Principles and practices relating to control of the thermal and atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-CAH 3(3,0)
Architectural History 3: PR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-CAH 3(3,0)
Architectural Theory 2: PR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-CAH 6(0,9)
Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-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.

ARC 4620 CAH-CAH 3(3,0)

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 3944 CAH-ART 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-TLP 3(3,0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing or C.I. Components, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-ART 3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313 ED-TLP 1(1,0)
Art in the Elementary School: PR: EDF 2050; CR: MUE 3210, HLP 4722, RED 4519, MAE 4325, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee: $5.00

ARE 4351 ED-TLP 3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4233. Transition from university art studio practices to public school teaching of art. Organization, designing and analyzing art experiences, activities, and classroom environments for the elementary school classroom. Fall. M&S fee: $5.00

ARE 4352 ED-TLP 3(2,1)
Teaching Art in the Secondary School: PR: EDF 4214 and EDG 4233. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee: $5.00

ARE 4356 ED-TLP 3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee: $5.00

ARE 4453 ED-TLP 3(3,0)
Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites 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 4945 CAH-ART 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 5251 ED-TLP 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-TLP 3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupa- tional orientation and other recreational areas. Occasional.

ARE 5359 ED-TLP 4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee: $5.00

ARE 5454 ED-TLP 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-TLP 3(3,0)
Contemporary Visual Arts Education: PR: ARE 4443 or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-ART 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissace. Occasional.

ARH 2050H CAH-ART 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-ART 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-ART 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART 3(3,0)
Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" and its attempt to transcend customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-ART 3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African-related sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART 3(3,0)
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS 3(3,0)

ARH 3632H CAH-ART 3(3,0)

ARH 3670 CAH-ART 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin American Occasional.

ARH 3673 CAH-ART 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-ART 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3683</td>
<td>Southern Folk Arts</td>
<td>3(3,0)</td>
<td>PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.</td>
</tr>
<tr>
<td>ARH 3710</td>
<td>History of Photography I</td>
<td>3(3,0)</td>
<td>PR: Junior Standing or C.I. History of all photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.</td>
</tr>
<tr>
<td>ARH 3720</td>
<td>History of Prints</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the &quot;great printmakers.&quot; Occasional.</td>
</tr>
<tr>
<td>ARH 3728</td>
<td>History of Illustration</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through the twentieth century. Occasional.</td>
</tr>
<tr>
<td>ARH 3820</td>
<td>Visual Arts Administration Vistas</td>
<td>3(3,0)</td>
<td>PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.</td>
</tr>
<tr>
<td>ARH 4130</td>
<td>Greek Art and Architecture</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.</td>
</tr>
<tr>
<td>ARH 4150</td>
<td>Roman Art and Architecture</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Italian Renaissance Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>Baroque Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. A survey of European Art in the 17th and 18th centuries. Occasional.</td>
</tr>
<tr>
<td>ARH 4352</td>
<td>Italian Baroque Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the fourth period. Occasional.</td>
</tr>
<tr>
<td>ARH 4540</td>
<td>Art of India</td>
<td>3(3,0)</td>
<td>PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rupat, and Muslim periods. Occasional.</td>
</tr>
<tr>
<td>ARH 4653</td>
<td>Meso American Art</td>
<td>3(3,0)</td>
<td>PR: Junior Standing or C.I. A course of art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning, through time; art examples from various periods/cultures. Occasional.</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role of Aesthetics and Ideology, have played in determining representations of women in art. Occasional.</td>
</tr>
<tr>
<td>ARH 5897</td>
<td>Advanced Seminar in Art History</td>
<td>3(3,0)</td>
<td>PR: ARH 2050 and ARH 2051 or C.I. A seminar on methods on various topics including: major artist, monument, cultural period or theme. Occasional.</td>
</tr>
<tr>
<td>ARH 2130C</td>
<td>Fibers &amp; Fabrics: Design and Production training</td>
<td>3(2,3)</td>
<td>PR: ARH 2050 and ARH 2051. Fibers and Fabrics: Design and production training in surface design, floor loom weaving and fiber sculpture. Occasional. M&amp;S fee: $5.00.</td>
</tr>
<tr>
<td>ARH 2500C</td>
<td>Design Fundamentals—Two Dimensional</td>
<td>3(2,4)</td>
<td>PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black-and-white and basic color theory. Fall, Spring. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>ARH 2201C</td>
<td>Drawing Fundamentals—Two Dimensional</td>
<td>3(2,4)</td>
<td>PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black-and-white and basic color theory. Fall, Spring. M&amp;S fee: $10.00.</td>
</tr>
<tr>
<td>ARH 2200H</td>
<td>Honors Drawing Fundamentals—Two Dimensional</td>
<td>3(2,4)</td>
<td>PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black-and-white and basic color theory. Fall, Spring. M&amp;S fee: $5.00.</td>
</tr>
<tr>
<td>ARH 2823</td>
<td>Animation as Interface</td>
<td>3(3,0)</td>
<td>PR: C.I. Animation major and FIL 3720C. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Occasional.</td>
</tr>
<tr>
<td>ARH 3683</td>
<td>Animation Production Methods</td>
<td>3(3,0)</td>
<td>PR: C.I. Animation major and FIL 3720C. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>ARH 3683</td>
<td>Intermediate Painting</td>
<td>3(3,0)</td>
<td>PR: C.I. Animation major and FIL 3720C. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&amp;S fee: $5.00.</td>
</tr>
</tbody>
</table>
ASH 4243 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq: A history through a set of interconnected monographic studies that focus on the political and legal components of the Iraqi state. Occasional.

ASH 4304 CAH-HIST 3(3,0) Women in China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. This course focuses on the changing experiences of Chinese women during the traditional period, the modern era and contemporary times. Occasional.


ASH 4442 CAH-HIST 3(3,0) Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War II; Japanese militarism, World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0) The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0) Culture and Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Commism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0) U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASL 2140 HPA-COM SC&DIS 4(4,0) Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.


ASL 4435 HPA-COM SC&DIS 3(3,0) Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

AST 4700 HPA-COM SC&DIS 3(3,0) Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0) Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.


AST 2037 COS-PHYS 3(3,0) Life in the Universe: A thought provoking journey through solar system environments and extraterrestrial planets to establish the probability of life on other planets in our solar system and beyond. Occasional.


AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002, PHY 2048C. An introduction to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. Even Fall.


AST 3402 COS-PHYS 3(3,0) Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.


AST 4142 COS-PHYS 3(3,0) Asteroids, Comets, and Meteorites: PR: AST 2002, AST 3110, and AST 2211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.


AST 4762 COS-PHYS 3(3,0) Advanced Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamical, detection, and environments. Odd Spring.

AST 5263 COS-PHYS 3(3,0) Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamical, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0) Advanced Astronomical Data Analysis: PR: MAC 2313, or 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programing, statistics, interpretation, and written and oral presentation of results. Occasional.

BCH 4053 COS-CHEM 3(3,0) Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes and their effect on the biochemical systems and inter-relation of intermediary metabolism. Fall, Spring.


BCH 4054 COS-CHEM 3(3,0) Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4103L COS-CHEM 2(0,6) Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the recognition, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00

BME 5572 ECS-ECE 3(3,0) Biomedical Nanotechnology: PR: EEE 3350 or C.I. Human Physiology, Bioelectronic Phenomena and Devices, Nanoelectronics for testing of biocompatible devices or human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Occasional.

BOT 3018C COS-BIOL 3(1,2) Botany across the Cultures: PR: BOT 3802, Junior standing, or C.I. Cultural food traditions and the connections between people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee: $9.50
CCJ 4004 HPA-CJ/LS 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.


CCJ 4004 HPA-CJ/LS 3(3,0) Criminal Justice Dimensions of Genocide: Pre-CCJ 3014 or C. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice major’s roles in studying and preventing genocide. Occasional.


CEN 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or 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.

CES 4100C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3533 with a grade of “C” (2.0) or better. Topics in structural mechanisms, 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.

CES 4101 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structure special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CES 4605 ECS-CECE 3(3,0) Steel Structures: PR: CES 4100C. 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.

CET 2124 ECS-ENT 3(3,0) Microcomputer Technology I: PR: High level programming language. Microcomputer assembly language programming, including overview of architecture and operating system environment. Fall.

CET 2364 ECS-ENT 3(3,0) Systems Applications in C/C++: PR: MAC 1105 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/C++ programming languages. Fall, Spring.

CET 3010 ECS-ENT 3(3,0) Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.


CET 3383 ECS-ENT 3(3,0) Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development, and implementation. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.

CET 3529 ECS-ENT 3(3,0) Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent, Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679 ECS-ENT 3(3,0) Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephone network, telecommunication, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-ENT 3(4,2) Microprocessor Electronics II: PR: Digital Circuits I or C.I. The MCS9800 Software architecture programming and hardware architecture are covered in great detail. Assembly language, programming interfacing and hardware characteristics as well as applications are covered. Occasional. M&S fee: $45.00.

CET 4138C ECS-ENT 3(3,0) Digital Programmable Devices: PR: CET 3389C or equivalent. C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGA. Occasional.


CET 4427 ECS-ENT 3(3,0) Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429 ECS-ENT 3(3,0) Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.

CET 4483 ECS-ENT 3(3,0) Intro to Local Area Network Technology: PR: CET 3085C or equivalent 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. May be repeated for credit. Spring.

CET 4505 ECS-ENT 3(3,0) Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial operating systems and operating system evolution. O.S. tool box usage. May be repeated for credit. Fall.

CET 4523 ECS-ENT 3(3,0) Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583 ECS-ENT 3(3,0) Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584 ECS-ENT 3(3,0) Web Based Systems II: PR: CET 4583. Advanced web based systems, including current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.


CET 4668 ECS-ENT 3(3,0) Practice of Information Security: PR: CET 4663 and CET 4884 or C.I. Practice in the technical, legal, and management issues of physical, operational, computer and information security by means of an actual consulting arrangement. Occasional.


CET 4748 ECS-ENT 3(3,0) Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, choosing appropriate technologies, and evaluating results. Fall.


CET 4884 ECS-ENT 3(3,0) Security Methods and Practice: PR: CET 2364 or C.I. Computer and information security; how security is designed, implemented, and managed in the public and private sector using technology, policies and leadership. Spring.

CET 4885 ECS-ENT 3(3,0) Investigative Digital Technology: PR: CET 4663. Fundamentals of legal issues related to computers and networks. Topics include identifying, analyzing, and interpretation of digital evidence and related legal issues. Fall.

CET 4889 ECS-ENT 3(3,0) Security Sensor Technology and Biometrics: PR: CET 4663 or C.I. Biometric identification. Techniques for extracting trait information for individual identification. Topics include multimodal biometrics, performance evaluation, biometric templates and privacy. Spring.
CET 4931 ECS-ENT 3(3,0)
Current Topics in Technology: PR: C.J. Study of recent advances in art, computer related topics from recognized computer-related journals and texts. Requires written and verbal communication. Occasional.

CET 5012 ECS-ENT 3(3,0)
Information and Communications Infrastructure: PR: Graduate standing or C.J. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases and related technologies, and telecommunications systems. Fall.

CGN 3501C ECS-CECE 3(2,3)
Civil Engineering Materials: PR: EGN 3333 with a grade of "C" (2.0) or better, CHM 2046. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Fall, Spring. M&S fee: $30.00

CGN 4300 ECS-CECE 3(0,0)
Civil Engineering Systems: PR: EGN 3615. MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGN 4600 ECS-CECE 3(3,0)
Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Occasional.

CGN 4808C ECS-CECE 3(2,2)
Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, COS 4608C, CWR 4812C, ENV 4602C, CEG 4801C, or COS 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluations of alternatives, and oral and written presentation of final design. Fall, Spring.

CGN 5320C ECS-CECE 3(2,2)

CGN 5504C ECS-CECE 3(2,2)
Civil Engineering Materials: PR: EGN 3365, EGN 3361, or C.J. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-CECE 3(2,2)

CGS 1060C ECS-CS 3(2,2)
Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall, Spring. M&S fee: $15.00

CGS 2100C ECS-CS 3(2,1)
Computer Fundamentals for Business: Uses of computer in commerce, business, including business applications, commercial packages, and the Internet. Not open to Computer Science majors. Fall, Spring. M&S fee: $15.00

CGS 2545C ECS-CS 3(2,1)

CGS 2858C ECS-CS 3(2,1)

CGS 3175 ECS-CS 3(3,0)
Internet Applications: PR: CGS 1060C. HTML coding, the technology of page layout and advanced formatting, and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 3269 ECS-CS 3(3,0)

CGS 3763 ECS-CS 3(3,0)

CGS 4144 ECS-CS 3(3,0)

CGS 5131 ECS-CS 3(3,0)

CHI 1120C CAH-LANG 4(4,0)
Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall, Spring.

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)

CHI 1121H CAH-LANG 4(4,0)

CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C.J. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0)

CHIM 1020 COS-CHEM 3(3,0)
Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHIM 1032 COS-CHEM 3(3,0)
General Chemistry: PR: MAC 1105 or MGF 1108 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.

CHIM 1032L COS-CHEM 1(0,3)
General Chemistry Laboratory: PR: or CR: CHIM 1032. Priority will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT. Attendance of the first laboratory session 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 2040C COS-CHEM 2(1,1)
Chemistry Fundamentals I: PR: A minimum score of 550 (SAT) or 20 (ACT) in the mathematics section. M&C 1105 recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics. The "NC" grading policy applies to this course. Fall, Spring. M&S fee: $6.00

CHM 2041C COS-CHEM 2(1,1)
Chemistry Fundamentals IB: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2041C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Spring.

CHM 2045C COS-CHEM 3(1,1)
Chemistry Fundamentals I: PR: A passing score on Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee: $9.00

CHM 2045H COS-CHEM 3(3,0)
Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Not open to students with credit in both CHM 2040C and CHM 2041C. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee: $25.00

CHM 2046 COS-CHEM 3(3,0)
Chemistry Fundamentals II: PR: "C" grade or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Intermolecular forces, solutions and colloigable properties. Equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046H COS-CHEM 3(3,3)
Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046C and CHM 2046L with honors-level content. Spring. M&S fee: $35.00

CHM 2046L COS-CHEM 1(0,3)
Chemistry Fundamentals Laboratory: PR: CHM 2045C. 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: $44.00

CHM 2055 COS-CHEM 5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the chemistry of proteins, carbohydrates, lipids, and nucleic acids. Fall, Spring.

CHM 2210 COS-CHEM 3(3,0)
Organic Chemistry I: PR: 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 3(0,3) Analytical Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L COS-CHEM 2(0,6) Organic Laboratory Techniques I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques 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: $45.00

CHM 3120 COS-CHEM 3(0,3) Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise in qualitative and quantitative methods of analysis using spectrometric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimen-tal 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. Occasional. M&S fee: $25.00


CHM 3411 COS-CHEM 3(0,3) Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. Spring.

CHM 3411L COS-CHEM 2(0,6) Physical Chemistry Laboratory: PR: CHM 3410 and CR: CHM 3111. 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: $41.00

CHM 3422 COS-CHEM 3(0,3) 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(0,3) Advanced Analytical Laboratory Technique: PR: CHM 3121. A course focusing on the experiment-exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectrometric and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(0,3) Organic Chemistry III: PR: CHM 2211 or its equiva-lent. Organic reaction mechanisms and retrosynthetic analy-sis and their application to synthetic chemistry. Occasional.
COMM 3310 COS-COMM 3(3,0)

COMM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COMM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COMM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: PR or CR: COMM 3311, or C.I. Motivation theories that directly affect the process of human communication. Occasional.

COMM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COMM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: PR: COMM 3311 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.

COMM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COMM 4462 COS-COMM 3(3,0)
Conflict Management: PR: PR or CR: COMM 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, pointers 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: Consent of Honors. Programming with 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. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA, Fall. Fall.

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: 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(3,0)
Computer Science I: PR: COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0)

COP 3503C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COP 3100C and MAD 2102 (COP 3330). 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 3503H ECS-CS 4(3,1)
Honors Computer Science II: PR: Permission of Honors and COP 3502H and COP 3502C and MAD 2102 (COP 3310C). 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(3,0)
Programming Languages I: PR: COP 3503C and COP 3506. 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(3,0)

COP 4516C ECS-CS 3(3,1)
Problem Solving Techniques and Team Dynamics: PR: COP 3502C. Design and implement 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 Computing: PR: COP 3503C and COP 3506. 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)

COP 4610L ECS-CS 3(0,3)
Operating Systems Laboratory: PR: COP 3503C and COP 3980. 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: COP 3410 or COP 4703C. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0)

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: Consent of Honors. Study of the implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C ECS-CS 3(3,1)

COT 3100H ECS-CS 3(3,0)

COT 3960 ECS-CS 1(0,1)

COT 4210 ECS-CS 3(3,0)

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3,0)

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C and COP 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 4210 and COP 4211. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, LR(K) grammars. Fall, Spring.

COT 5405 ECS-CS 3(3,0)

COT 5520 ECS-CS 3(3,0)

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: PR: CGS 1060C. The political, economic, and social underpinnings of Third World nations. Even Fall.

CPO 3103 COS-POLS 3(3,0)
Comparative Politics: PR: POS 2041 or C.I. Comparison and synthesis of political systems, national and regional, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.
CRW 4724 CAH-ENG 3(3,0)
The Florida Review: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. 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 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 4 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 development of creative writing. May be repeated for credit only when course content is different. Occasional.

CRW 5948C CAH-ENG 3(2,1)
Creative Writing Service Learning: PR: Admission to MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CRW 3201 ECS-CECE 3(3,0)

CRW 4101C ECS-CECE 3(2,2)
Hydrology: PR: STA 3032, CRW 3201. Hydrological cycle, problems of flooding, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00.

CRW 4203C ECS-CECE 3(2,2)
Hydraulics: PR: CRW 3201 Continuation of CRW 3201 with emphasis on piping networks, pumps, and hydraulic systems. Lab work includes civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00.

CRW 4812C ECS-CECE 3(2,2)
Water Resources Design: PR: CRW 4101C. CRW 4203C. 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 5125 ECS-CECE 3(3,0)
Groundwater Hydrology: PR: CRW 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CRW 5205 ECS-CECE 3(3,0)

CRW 5515 ECS-CECE 3(3,0)
Numerical Methods in Civil and Environmental Engineering: PR: CRW 4101C. CRW 4203C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment while targeting civil and environmental engineering applications. Occasional.

CRW 5545 ECS-CECE 3(3,0)

DAA 2100C CAH-THEA 2(1,2)
Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(1,2)
Modern Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2200C CAH-THEA 2(1,2)
Ballet I: PR: Theatre major. Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(1,2)
Ballet II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Fall.

DAA 2300 ED-CFCS 2(2,0)
Ballroom Dance: Instruction in selected ballroom dances: foxtrot, waltz,.quickstep.samba, cha cha, tango, quickstep), focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha), focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(1,2)
World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(1,2)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(1,2)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(1,2)
Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements associated with American Jazz dance, including practical class work and Jazz dance history. Fall, Spring.

DAA 2571C CAH-THEA 2(1,2)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3108C CAH-THEA 2(2,1)
Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3208C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(1,2)

DAA 3645 CAH-THEA 2(0,VAR)
Choreography Practicum: PR: Theatre major, Dance minor, or department consent. Involves stage presentations. Theory, practice, and performance. May be used in the degree program a maximum of 5 times. Spring.

DAA 3684 CAH-THEA 1(0,VAR)
Dance Performance: PR: Theatre major, Dance minor, or department consent. May be used in the degree program a maximum of 2 times. Spring.

DEP 2004 COS-PSYCH 3(3,0)

DEP 2004H COS-PSYCH 3(3,0)
Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Focuses on genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. Fall.

DEP 3202 COS-PSYCH 3(3,0)

DEP 3464 COS-PSYCH 3(3,0)
Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social, and cognitive-Intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-DIG 3(3,0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-DIG 3(2,2)

DIG 2109C CAH-DIG 3(2,2)

DIG 2485 CAH-DIG 3(3,0)
Visual Language of the Moving Image: PR: Minimum grade of “B” (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. Fall, Spring.

DIG 2500C CAH-DIG 3(2,2)
DIG 2821 CAH-DIG 3(3,0)
Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3024 CAH-DIG 3(3,0)

DIG 3035 CAH-DIG 1(1,0)
Digital Media in the Workplace: PR: ENC 1102. Workshop skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(3,0)

DIG 3159 CAH-DIG 3(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 to the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-DIG 3(2,2)
Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination of use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-DIG 3(2,2)
Artificial Environments and Effects: PR: DIG 2485 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.

DIG 3362C CAH-DIG 3(2,2)
Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall.

DIG 3343C CAH-DIG 3(2,2)

DIG 3450 CAH-DIG 3(3,0)
Interactive Performance I: PR: Admission to audion 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-DIG 3(0,0)

DIG 3480C CAH-DIG 3(2,2)

DIG 3525 CAH-DIG 3(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. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-DIG 3(2,2)

DIG 3563 CAH-DIG 3(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 acquiring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-DIG 3(2,2)
Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets to create visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-DIG 3(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-DIG 0(0,0)

DIG 4104C CAH-DIG 3(2,2)
Web Design Workshop: PR: DIG 3134C, DIG 3716C, 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-DIG 3(2,2)

DIG 4260C CAH-DIG 3(1,4)
New Imagery in Motion Workshop: PR: DIG 4265C, 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 in digital projects. Spring.

DIG 4323C CAH-DIG 3(1,4)
Modeling for Visual Language: PR: DIG 4240C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they can be animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-DIG 3(2,2)

DIG 4325C CAH-DIG 3(1,4)

DIG 4326C CAH-DIG 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4240C, 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-DIG 3(1,4)
Advanced 3D Animation: PR: DIG 4232C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-DIG 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3525C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-DIG 3(1,4)
Artificial Characters Workshop: PR: DIG 3562C 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-DIG 3(1,4)
3D Textures: PR: DIG 4369C. Successful portfolio review, 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-DIG 3(1,4)

DIG 4451C CAH-DIG 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language 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-DIG 3(3,0)

DIG 4522 CAH-DIG 3(3,0)
Digital Media Service: PR: DIG 3055. 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 4523L CAH-DIG 1(0,3)
Digital Media Service III: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 2010. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.

DIG 4524L CAH-DIG 3(0,3)
Digital Media Project I: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-DIG 3(3,0)
Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528 CAH-DIG 3(0,0)
Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 4682. Odd Fall, Even Spring.

DIG 4530C CAH-DIG 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side Internet program- ming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

UCF Courses and Descriptions

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EAS 4400 ECS-MMAE 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4130C. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.


EAS 4505 ECS-MMAE 3(3,0) Orbital Mechanics: PR: EGN 3211 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAC 2313C, and MAC 2402. Two-body problem, orbital motion, rotation, perturbations, earth satellite operation. Spring.

EAS 4700C ECS-MMAE 3(1,6) Aerospace Design I: PR: EAS 4200, EAS 3010, EAS 3800C, CR: EML 4312C. Introduction to the design process. Fall. M&S fee: $15.00.

EAS 4710C ECS-MMAE 3(1,6) Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process. Fall. M&S fee: $45.00.

EAS 4901 ECS-MMAE 0(0,0) Aerospace Career and Academic Faculty Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career advising. Graded SU. Fall, Spring.


EAS 5302 ECS-MMAE 3(3,0) Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. Occasional.


EAS 5407 ECS-MMAE 3(3,0) Mechanatronics Systems: PR: EML 4312C or C.J. Discrete control techniques for aerospace mechanical systems. Controller design, test and evaluation applications. Odd Spring.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.
ECO 4713 BA-ECON 3(3,0) International Macroeconomics: PR: ECO 3101 or ECO 4703. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0) Law and Economics: PR: ECO 203 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON 3(3,0) Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3033. Supervised economics-related work experience in a pre-approved sponsoring organization of economic problems and issues from an economic perspective. May be used in the degree program a maximum of 1 time. Occasional.

ECO 5005 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 3203 BA-ECON 3(3,0) Labor Economics: PR: ECO 3101 or ECO 4703. Analysis of the labor problems and issues in a dynamic contemporary economic environment 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 micro-economic and macro-economic 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 4703 BA-ECON 3(3,0) Managerial Economics: PR: Junior standing, ACI 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors only. Spring.


EDE 3942 ED-TLP 3(3,0) Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 2601, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TLP 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee: $10.00

EDE 4943 ED-TLP 7-12(0,35) Internship II (Elementary): PR: EDE 3942. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent semesters. Graded S/U. Occasional.

EDE 4945 ED-TLP 1(1,0) Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 1942 ED-ES 3(3,0) Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDE 2005 ED-ES 3(3,0) Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007 ED-ES 3(3,0) Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDE 2085 ED-ES 3(3,0) Introduction to Teacher Licensure for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130 ED-ES 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250 ED-ES 3(3,0) Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2720 ED-ES 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDE 3120 ED-ES 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.

EDE 3303 ED-ES 3(3,0) Learning Environments and Guidance for Young Children: PR: All courses in Block I; CR: All courses in Block II. Developmentally appropriate education materials, strategies, environments, and guidance for young children. Exploration of active learning and the development of young children’s self-esteem and self-regulation. Even Spring.

EDE 3601 ED-ES 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.

EDE 3740 ED-ES 3(3,0) Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Occasional.

EDE 4214 ED-ES 3(3,0) Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDE 4466 ED-ERTL 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student instruction and performance assessment, and interpretation of standardized test results. Fall, Spring.


EDE 4603 ED-ES 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDE 4603H ED-ES 3(3,0) HON 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 consent. Fall.

EDE 5245 ED-ES 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.

EDE 5607 ED-ES 3(3,0) Language, Culture and Pedagogy: Impact and Implications: 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 ED-ES 2(1,1) Foundations of Leadership: PR: LEAD 1000 or C.I. Core course for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-ES 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 4323 ED-ES 3(3,0) Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-ES 3(3,0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-ES 1-8(0,1-8) Directed Field Experience: PR: Approval of Supervising Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-ES 3(3,0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.
Children:

Exploring an integrated approach to curriculum planning and scheduling appropriate early childhood program. Occasional.

EEC 4002 ED-CFCS  3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or CI. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEC 4020 ED-CFCS  3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4021 ED-CFCS  3(3,0)
Infant/Toddler Care and Education: PR: Admission into Early Childhood Education Program and EEC 3700. Techniques to guide behavior of young children, emphasizing classroom management and pro-social skills. Fall, Spring.

EEC 4022 ED-CFCS  3(3,0)

EEC 4023 ED-CFCS  3(3,0)
Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

EEC 4024 ED-CFCS  3(3,0)

EEC 4025 ED-CFCS  3(3,0)
Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEX 4590, and completion of semester II in the junior year. Corequisite: MAE 4300, RED 4311, SCE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEC 4026 ED-CFCS  3(3,0)
Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4027 ED-CFCS  3(3,0)
EEL 3004 ECS-ECE 3(3,0) Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2314, MAC 2315 or PHY 2048, PHY 2049, CRT; M&P: MAP 2302 or higher. Study of fundamental electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution, and dissipation are covered with examples relating to cables, connections, and buses. Not open to CPE majors. Fall, Spring.

EEL 3041 ECS-ECE 3(3,0) Circuit Analysis: PR: PHY 2302C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution, and dissipation are covered with examples relating to cables, connections, and buses. Not open to CPE majors. Fall, Spring.


EEL 3470 ECS-ECE 3(0,0) Electromagnetic Fields: PR: EEL 3004. Electric and magnet fields and electromagnetic waves. Fall, Spring.


EEL 3657 ECS-ECE 3(0,0) Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criterion, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.


EEL 4050L ECS-ECE 1(0,3) EEC Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filter design, DSP realization of sound signals, transducers and receivers based upon AM and FM, PID controller and control systems, and power conversion. Occasional.

EEL 4130 ECS-ECE 3(0,0) Fundamentals of Continuous Simulation: PR: MAP 2302. Fundamental concepts of continuous simulation systems. Numerical integration, math modeling, simulation software. May be repeated for credit. Occasional.

EEL 4140C ECS-ECE 4(3,3) Analog Filter Design Filter: PR: EEL 3123C. Passive and active analog filter design. Fall, M&S fee: $15.00


EEL 4216 ECS-ECE 3(3,0) Fundamentals of Electric Power Systems: PR: EEL 3004 or CII. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470. Transmission: line theory, Smith charts, S-parameters, simple filter design, matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

EEL 4440 ECS-ECE 3(3,0) Optical Engineering: PR: EEL 3470, EEL 3552C or CII. Topics: detection, sensors, optical systems, advanced instrumentation, detection, detectors, optical physics, interferometers, devices, applications to engineering design problems. Spring.


EEL 4515C ECS-ECE 4(3,3) Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASK, FSK, PSK, MPSK, intro-duction to coding. Fall, M&S fee: $15.00

EEL 4518H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4194. Research topics in Machine Learning. Students will be engaged in a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4194. Research topics in Machine Learning. Students will be engaged in a research project and a faculty mentor who will supervise this project. Spring.

EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3) Engineering Data Structures: PR: EEL 3501C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $5.00

EEL 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3502C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3,0) Engineering Systems Software: PR: EEL 4851C and EEL 4742C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0) Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECS-ECE 3(3,0) Design I: PR: EIEE 3307C, EEL 4742C and consent of School of EECS. Applications of engineering design principles to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(3,0) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering projects including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall. Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3567. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFQ and information theory. Spring.

EEL 5245C ECS-ECE 3(2,1) Power Electronics: PR: EEL 4309C. Power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycle-converter applications. Fall.
EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00.

EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00.

EEL 5462C ECS-ECE 3(3,0) Antenna Theory and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall. M&S fee: $5.00.

EEL 5482 ECS-ECE 3(3,0) Electromagnetic Theory I: PR: Graduate standing or C.I. Vector calculus, boundary conditions, propagation and reflection, guided waves. Occasional.


EEL 5517 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 and parametric filters, testing, active circuits. Actual devices and communication systems are presented. Occasional.

EEL 5542 ECS-ECE 3(3,0) Random Processes I: PR: EEL 3552C and STA 3552. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.


EEL 5625 ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research interests in the area of MEMS. Occasional.

EEL 5650 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, z-transforms, discrete system sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5669 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematic, dynamic, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.


EEL 5722C ECS-ECE 3(3,1) Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architecutres, design, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>EEX 2090 ED-CFCS</td>
<td>Exceptional Populations in School and Society</td>
<td>3(3,0)</td>
<td>Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.</td>
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<tr>
<td>EEX 2758 ED-CFCS</td>
<td>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.</td>
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<tr>
<td>EEX 3221 ED-CFCS</td>
<td>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.</td>
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<td>EEX 3450 ED-CFCS</td>
<td>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. Fall.</td>
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<td>EEX 3754 ED-CFCS</td>
<td>Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.</td>
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<td>EEX 4201 ED-CFCS</td>
<td>Introduction to Behavior Management: Study of management techniques based on applied behavior analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.</td>
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<td>EEX 4202 ED-CFCS</td>
<td>Parent Involvement in Education: This course prepares students to effectively interact with and involve parents in their child's education. Occasional.</td>
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<td>EEX 4203 ED-CFCS</td>
<td>Parent/Professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.</td>
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<td>EEX 4204 ED-CFCS</td>
<td>Respite Care: PR: Junior Standing or C.I. General learning or special education status. The focus of this class will be on the need of special children or cognitive disabilities, the nature and needs of care givers and care recipients, including special populations. Fall, Spring.</td>
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<tr>
<td>EEX 4205 ED-CFCS</td>
<td>Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, M&amp;EE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.</td>
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<td>EEX 4206 ED-CFCS</td>
<td>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. May be repeated for credit. Gradated S/U. Occasional.</td>
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<tr>
<td>EEX 4207 ED-CFCS</td>
<td>Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.</td>
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<tr>
<td>EEX 4208 ED-CFCS</td>
<td>Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning, developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.</td>
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<td>EEX 4209 ED-CFCS</td>
<td>Communication with Parents and Agencies: PR: Completion of specialization. Presentation of methods of interacting with community agencies and families with emphasis on development of a case management system, and facilitating program transition. Occasional.</td>
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<td>EEX 4210 ED-CFCS</td>
<td>Solid Mechanics: PR: EGG 3210 and &quot;C&quot; (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.</td>
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<tr>
<td>EEX 4211 ED-CFCS</td>
<td>Mathematics Lab: PR: EGG 3210. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. Fall, Spring. Additional fee: $5.00.</td>
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<tr>
<td>EEX 4212 ED-CFCS</td>
<td>Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall. M&amp;S fee: $5.00.</td>
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<td>EEX 4213 ED-CFCS</td>
<td>Engineering Concepts and Methods: PR: EGG 3210 and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams; engineering communication; engineering professionalism and ethics. Spring. M&amp;S fee: $5.00.</td>
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<tr>
<td>EEX 4214 ED-CFCS</td>
<td>Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
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<td>EEX 4219 ED-CFCS</td>
<td>LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1011C, EGN 1036C, EGD 1005C or MUC 1310C. Provides experiential and 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.</td>
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<td>EEX 4220 ED-CFCS</td>
<td>Introduction to Robotics: PR: Engineering majors only. EGN 2253 and STA 3022. Computer Science majors take COT 3330 and COP 3503C. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.</td>
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<td>EEX 4221 ED-CFCS</td>
<td>Engineering Analysis and Computation: PR: MAT 2111. Engineering applications will be emphasized. Fall, Spring.</td>
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<td>EEX 4222 ED-CFCS</td>
<td>Engineering Analysis-Dynamics Honors: PR: EGN 3310H; EEX 3310H. Kinematics and mechanics, including resultant forces of systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.</td>
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<td>EEX 4223 ED-CFCS</td>
<td>Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2312. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall.</td>
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<td>EEX 4224 ED-CFCS</td>
<td>Engineering Analysis-Statics (Honors): PR: Permission of Honors and PHY 2048; CR: MAC 2312. Kinetics and kinematics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall.</td>
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<td>EEX 4225 ED-CFCS</td>
<td>Engineering Analysis-Statics: PR: PHY 2048; CR: MAC 2312. Fundamental concepts of mechanics, including resultant forces of systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.</td>
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<tr>
<td>EEX 4226 ED-CFCS</td>
<td>Engineering Analysis-Statics (Honors): PR: Permission of Honors and PHY 2048; CR: MAC 2312. Kinetics and kinematics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall.</td>
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<td>Course Code</td>
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<td>EGN 3343</td>
<td>Thermodynamics: CR: EGN 3321, MAP 2302. Work, heat, and energy. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. Fall, Spring.</td>
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<tr>
<td>EGN 3343H</td>
<td>Thermodynamics Honors: PR: Honors status; CR: EGN 3321 or EGN 3321H, &amp; MAP 2302. Work, heat, and energy. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. Spring.</td>
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<td>EGN 3358</td>
<td>Thermofluids-Heat Transfer: PR: EGN 3310, MAP 2302. Introduction to first and second laws of thermodynamics, continuum fluid mechanics, and heat transfer for electrical, industrial, and computer engineering majors. Fall, Spring.</td>
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<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials: PR: CHS 1440 and 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical &amp; electrical properties, materials characterization techniques. Fall, Spring.</td>
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<td>EGN 3373</td>
<td>Principles of Electrical Engineering: PR: PHY 2049C. CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems. Inductors, electromagnetics and rotating machines. Fall, Spring.</td>
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<td>EGN 3420</td>
<td>Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, integration and plotting. Fall, Spring.</td>
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<td>EGN 3613</td>
<td>Engineering Economic Analysis: PR: MAC 2311. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of risks, risk, depreciation. Fall, Spring.</td>
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<td>EGN 3843</td>
<td>Systems Modeling: PR: COS 1060C or equivalent. Representation of man-machine systems through analytic and computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government. Occasional.</td>
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<td>EGN 4300C</td>
<td>Hydrogen Production and Handling: PR: CHM 1032, CHM 1032L, and PHY 2053C. Basic concepts and principles of hydrogen technologies to include properties, usage, safety, storage and production. Even Fall.</td>
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<td>EGN 4413C</td>
<td>Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.</td>
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<td>EGN 4624</td>
<td>Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R &amp; D planning; ethics in professional practice. Fall, Spring.</td>
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<td>EGN 4641C</td>
<td>Engineering Entrepreneurship: PR: Senior standing. Concepts and principles of engineering entrepreneurship. Topics include the funding, development, and management of technology based start-ups. Fall, Spring.</td>
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<td>EGN 4706C</td>
<td>Small Satellite Payloads and Integration: PR: EML 3503C OR EAS 3800C OR EEL 3801C OR ESI 4521C. Evaluation of various small satellite concepts and their payloads into a small satellite system design leading to a final configuration. Occasional.</td>
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<td>EGN 4707C</td>
<td>Processing Space-Launch Systems: PR: For ECE: EEL 3503C or EEL 4740. For ENS: ESI 4521C; For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system “Inertial Upper Stage.” May be repeated for credit. Occasional.</td>
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<td>EGN 4730</td>
<td>Renewable Energy Systems: PR: EGN 4720. Well-integrated analysis, lifecycle energy and emissions, total cost. Skill set, methodologies and tool kits needed to analyze various technologies on a consistent basis for a given application. Even Fall.</td>
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<td>EGN 4731</td>
<td>Fuel Cell Technologies: PR: CHM 1032, CHM 1032L, PHY 2053C and MAC 2253 or MAC 2211. Basic concepts and principles of fuel cell technologies to include chemistry, thermodynamics, electrochemistry, cell compo- nents and operating conditions. Even Spring.</td>
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<td>EGN 4824</td>
<td>Energy and Society: PR: Investigation of available energy forms; energy resources versus requirements in an increas- ingly complex technological society; possible solutions and future predictions. Occasional.</td>
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<td>EGN 4830</td>
<td>Telecommunications: PR: Investigation of telecommunications and its role in contemporary local, national, and international society. Occasional.</td>
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<td>EGN 4921C</td>
<td>Interdisciplinary Research and Development I: PR: Junior standing in Engineering or Computer Science major. Research and methodology seminar. Topics to include interdisciplinary projects, intellectual property, global R&amp;D, dissemination of findings. Seminar presentations by guest research lecturers. Occasional.</td>
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<td>EGN 4922C</td>
<td>Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.</td>
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<td>EGN 4931H</td>
<td>Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.</td>
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<td>EGN 4933C</td>
<td>Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global issues, professional development, lifelong learning, and ethical responsibilities. Community service and community outreach projects required. Occasional.</td>
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<td>EGN 4934C</td>
<td>Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.</td>
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<td>EGN 5035</td>
<td>Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electrical light, etc. Occasional.</td>
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<td>EGN 5720</td>
<td>Internal Combustion Engine Analysis and Design: PR: EGN 4530, or EGN 4530C. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&amp;S fee: $45.00.</td>
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<td>EGN 5840</td>
<td>Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Evaluation of rocket propulsion, design, and testing methodologies. Fall, Spring. Occasional.</td>
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<td>EGN 5855C</td>
<td>Application: PR: EGN 4390 or C.I. Advanced topics in inspection and measurement with applications in engineer- ing and manufacturing. Occasional.</td>
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<td>EGN 5858C</td>
<td>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, appli- cations and practice of rapid prototyping and reverse engi- neering technologies. Spring. M&amp;S fee: $45.00.</td>
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<td>EIN 3000</td>
<td>Introduction to Industry and Engineering Management Systems: PR: important to the operation of an industrial or service facility. Fall.</td>
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<td>EIN 3354</td>
<td>Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation fundamentals. Fall, Spring.</td>
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<td>EIN 4191C</td>
<td>Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.</td>
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<td>EIN 4192C</td>
<td>Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.</td>
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<td>EIN 4214</td>
<td>Safety, Engineering, and Administration: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodologies commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.</td>
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<td>EIN 4243C</td>
<td>Human Engineering: PR: STA 3032 or C.I. Human engineering design course. Focus on human computer interaction, design and conducting user research. Fall, Spring. M&amp;S fee: $20.00.</td>
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<td>EIN 4333</td>
<td>Production and Distribution Systems: PR: ESI 3700 or C.I. Production and distribution systems course. Fall, Spring.</td>
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<tr>
<td>EIN 4364C</td>
<td>Industrial Facilities Planning and Design: PR: EIN 3343C; EIN 3354 CREIN 4353C; EIN 4531C. Comprehensive design of industrial facilities, including interrelationships of plant location, process design, and materials handling. Fall, Spring.</td>
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UCF Courses and Descriptions

EIN 4516C ECS-IEMS 3(2,2) Systems Analysis and Design: PR: EIN 4364C. Systems analysis methodology, system requirements, specifications, system design methodology and criteria. Consulting skills and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00

EIN 4517 ECS-IEMS 3(3,0) Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of system engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545C ECS-IEMS 3(2,2) Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234. Application of industrial engineering tools to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.

EIN 4621C ECS-IEMS 3(2,2) Computer-Aided-Manufacturing: PR: EIN 4312C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

EIN 4891C ECS-IEMS 3(2,3) Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior capstone design environment; application of IEMS techniques to real-world design applications. Spring. M&S fee: $15.00

EIN 5108 ECS-IEMS 3(3,0) The Environment of Technical Organizations: PR: Grad. standing or C.I.; EGN 4424 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technical oriented environments. 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 or 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. M&S fee: $20.00

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; technical usability techniques; laboratory 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 bacc or graduate standing or C.I. How human performance deficiencies should be derived from a systems design point of view. Manipulator, 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, design, engineering, 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 5368C ECS-IEMS 3(2,2) Integrated Factory Automation Systems: PR: EIN 4931C or C.I. Automated material handling systems, industrial robots, automatic guided vehicles, automatic storage and retrieval systems, economics, justification. Odd Fall. M&S fee: $20.00

EIN 5388 ECS-IEMS 3(1,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5593 ECS-IEMS 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research include research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanomaterials, nano-coatings, corrosion, magnetic, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in design engineering. Fall.


EMA 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGM 3365 or EMA 3706; and a "C" (2.0) or better of the following: CHS 1440 or EIN 2045C, MAC 2311, 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 4103 ECS-ENT 3(3,0) Space Environment Technology: PR: MAC 2253, PHY 2053. The space environment and how it affects manufacturing of space elements to withstand the harsh environment. Occasional.


EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3022C, and EGM 3365 or EMA 3708. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGM 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


UCF Courses and Descriptions

EMG 5060 ECG-MMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMG 5108 ECG-MMAE 3(3,0) Surface Science: PR: PHY 2049C and C. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMG 5140 ECG-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMG 5415 ECG-MMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 3365 or C. I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMG 5504 ECG-MMAE 3(3,2) Modern Characterization of Materials: PR: EMA 5104 or C. I. Techniques and operation of instrumentation (light, scanning, transmission, and aberon microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMG 5505 ECG-MMAE 3(3,2) Scanning Electron Microscopy: PR: EMA 5104 or C. I. A review of electron optics, beams/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and cryobiography in the SEM. Occasional.

EMG 5517 ECG-MMAE 3(3,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C. I. Principles of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


EMG 5585 ECG-MMAE 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.

EMG 5586 ECG-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Properties pertinent to photovoltaic structures, homojunction, heterojunction, and surface barrier solar cells, AMPS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CuTe thin film solar cells may be utilized for credit. Occasional.


EMG 5588 ECG-MMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C. I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMG 5705 ECG-MMAE 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, aero- and land-based gas turbine requirements. Occasional.

EMG 6204 ED-ERTL 3(3,0) Introduction to Technology for Educators: PR: C. I. Introduction to technology for educators, including classroom management tools, multimedia, communication network tools, interactivity, educational software and legal, ethical and social issues. Fall. M&S fee: $1.00.

EMG 6201 ED-ES 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EMG 6312 ED-ERTL 3(3,0) Applications of Technology in Education: Classroom applications of instructional media. Involves computers, includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EMG 6505 ED-ERTL 3(3,0) Fundamentals of Technology for Educators: PR: Post bac or C. I. Designed to provide participants with an introduction to the field of educational technology content, with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall. Spring.

EMG 6501 ED-ERTL 3(3,0) Technologies of Instruction and Information Management: PR: C. I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EMG 6503 ED-ERTL 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.

EMG 6208 ED-ERTL 3(3,0) Production Techniques for Instructional Settings: PR: Acceptance into ED Media Program or C. I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional writing and composition theories. Spring.

EMG 6200 ECG-MMAE 3(3,0) Media for Children and Young Adults: PR: Acceptance into ED Media Program or C. I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EMG 5810 ED-ERTL 1(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.


EMG 3034C ECG-MMAE 3(3,1) Modeling Methods in Mechanical and Aerospace Engineering: PR: C. I. (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EMG 3101 ECG-MMAE 3(3,0) Thermodynamics of Mechanical Systems: PR: EGN 3343 and a C. I. (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EMG 3262 ECG-MMAE 3(3,0) Kinematics of Mechanisms: PR: EGN 3342 and a C. I. (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.


EMG 3990 ECG-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising: I: PR: MAP 2302, Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall. Spring.


EMG 4024C ECG-MMAE 3(2,2) Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CMC solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall. Spring. M&S fee: $15.00.

EML 4145 ECS-MMAE 2(2,0)

EML 4220 ECS-MMAE 3(3,0)

EML 4221C ECS-MMAE 2(1,2)

EML 4260 ECS-MMAE 3(3,0)
Dynamics of Machinery: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MMAE 3(3,0)

EML 4293 ECS-MMAE 3(0,0)

EML 4304C ECS-MMAE 2(1,3)
Design of Thermo-Fluid Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Measurement and experiments in Thermo-fluids systems and with emphasis on principles of thermodynamics. Spring. M&S fee: $45.00

EML 4312C ECS-MMAE 3(2,3)
Feedback Control: PR: EGN 3321, MAP 3202, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4411 ECS-MMAE 3(0,0)
Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MMAE 3(3,0)
Turbomachinery: PR: EML 3303C, CR: EML 4336 or EMA 3706, EML 3701 or EAS 3101. Dynamics of turbomachinery systems. Spring.

EML 4600 ECS-MMAE 3(3,0)

EML 4602 ECS-MMAE 3(3,0)
Applied HVAC Engineering: PR: EML 4600, CR: EML 5701. HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Fall.

EML 4703 ECS-MMAE 3(3,0)
Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

EML 4804C ECS-MMAE 2(2,3)
Digital Control in Mechatronics: PR: EML 4220 and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. Spring. M&S fee: $15.00

EML 4991 ECS-MMAE 0(0,0)
Mechanical Career and Academic Faculty Advising II: PR: Graduation and their faculty advisor for career and academic advising. Graded S/U. Fall, Spring.

EML 5026C ECS-MMAE 3(2,2)
Advanced Engineering Design Practice: PR: EGN 3651, CR: (EML 3500 or EAS 4200) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 5060 ECS-MMAE 3(3,0)

EML 5066 ECS-MMAE 3(3,0)

EML 5105 ECS-MMAE 3(3,0)
Gas Kinetics and Molecular Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical view of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.

EML 5131 ECS-MMAE 3(3,0)

EML 5152 ECS-MMAE 3(3,0)

EML 5211 ECS-MMAE 3(3,0)
Continuum Mechanics: PR: EML 3500 or EML 4703 or EAS 4220 or C.I. Introduction to tensors; deformation and strain; stress; balance laws; applications in Newtonian fluid dynamics and isostatic flow. Spring.

EML 5224 ECS-MMAE 3(3,0)

EML 5282C ECS-MMAE 3(3,0)

EML 5237 ECS-MMAE 3(3,0)

EML 5245 ECS-MMAE 3(3,0)

EML 5271 ECS-MMAE 3(3,0)

EML 5290 ECS-MMAE 3(3,0)

EML 5291 ECS-MMAE 3(3,0)
MEMS Materials: PR: EML 5006, EML 5211, or C.I. Introduction to materials that are frequently used in MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in design and property of the materials, and their applications in MEMS. Even Spring.

EML 5292 ECS-MMAE 3(3,0)
Fundamental Phenomenon and Scaling Laws in Miniature Engineering Systems: PR: EML 5060, EML 5211, or C.I. Introduction to meso-, nano-, and micro-scales, and related thermal, mechanical, and electronic interactions at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. Odd Fall.

EML 5311 ECS-MMAE 3(3,0)

EML 5402 ECS-MMAE 3(3,0)
Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5456 ECS-MMAE 3(3,0)
Turbines for Sustainable Power: PR: EGM 3501, (EGN 3365 or EML 3700), EML 3701 or EAS 3101; CR: (EML 4220 or EAS 4210). Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technology. Fall.

EML 5532C ECS-MMAE 3(2,3)
Computer-Aided Design for Manufacture: PR: EGN 4536C. Builds on introductory material covered in EML 4536C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Even Fall, Spring. M&S fee: $15.00

EML 5546 ECS-MMAE 3(3,0)
ENC 1102 CAH-ENG 3(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-ENG 3(3,0)
Honors Freshman Composition II: PR: ENC 1101H with a grade of "C-" or better. C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English: ENC 1101 and 1102 must be taken before enrolling in any English course num-bered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 2127 CAH-ENG 3(3,0)
Grammar and Composition: A systematic study of grammar and style of writing with emphasis on clarity and accuracy in writing. Occasional.

ENC 2210 CAH-ENG 3(3,0)

ENC 2411C CAH-ENG 3(2,1)
Composition and Critical Thinking: Emphasizing the writing process and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 3211 CAH-ENG 3(3,0)
Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing or C.I. Exploring definitions and theoretical foun-dations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H CAH-ENG 3(3,0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Emphasis on understanding and improving writing styles, particularly for a variety of technical writing genres. Fall, Spring.

ENC 3241 CAH-ENG 3(3,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102, junior standing or C.I. Writing effective correspondence, instructions, propos-als, and formal and informal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0)
Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Emphasis on understanding and improving writing styles, particularly for a variety of technical writing genres. Fall, Spring.

ENC 3520 CAH-ENG 3(3,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0)
Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0)
Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technol-ogy, stressing composition and printing; word-process-ing, automated text processing, methods of reproduction, introduction of graphics, style, format, layout, and board-work. Spring. M&S fee: $10.00

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 com-munication practice. Fall. M&S fee: $10.00

ENC 4262 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0)
Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0)
Documentation and the Collaborative Environment: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include technical, professional, policies and procedures, and training manu-als. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0)
Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student’s particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0)
Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspond-ence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0)
Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.
UCF Courses and Descriptions

ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensitivity regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0) Editing Professional Writing: PR: Graduate status or senior standing or C.I. With special attention to the study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major documentation designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5245 CAH-ENG 3(3,0) Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepares students to determine needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. Occasional.

ENC 5276 CAH-ENG 3(3,0) Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5291 CAH-ENG 3(3,0) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0) Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetorical-auratic relationship, this course studies modern theory and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1) Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 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(3,0) 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: Junior standing, or C.I. and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.
ENV 4112C ECS-CECE 3(2,2) Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CECE 3(3,0) Air Pollution Control: PR: EGN 3343, CWR 3201, and ENV 3001 with a grade of "C" (2.0) or better. Air resource management, engineering design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CECE 3(2,2) Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00

ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste facility. Occasional. M&S fee: $15.00

ENV 4341 ECS-CECE 4(4,0) Solid & Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-CECE 3(3,0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CECE 3(3,0) Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.


ENV 4562C ECS-CECE 3(2,2) Environmental Engineering Systems Design: PR: ENV 4561, ECS 4002C. Project course on design of water and wastewater treatment plants. Spring. M&S fee: $15.00


ENV 5116C ECS-CECE 3(2,3) Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5334 ECS-CECE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CECE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5336 ECS-CECE 4(4,0) Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EST 3222</td>
<td>ECS-ENT  Photonics Technology</td>
<td>3(3,0)</td>
<td>PR: PHY 2053C, PHY 2054C, MAC 3402, MAC 2512, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. Fall.</td>
</tr>
<tr>
<td>EST 3543C</td>
<td>ECS-ENT  Programmable Logic Applications and</td>
<td>3(2,2)</td>
<td>PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. Fall.</td>
</tr>
<tr>
<td>EST 3425</td>
<td>ECS-ENT  Manufacturing of Photonics</td>
<td>3(0,0)</td>
<td>PR: EST 3222. Manufacturing processes and practices of photonics devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.</td>
</tr>
<tr>
<td>EST 3227</td>
<td>ECS-ENT  Photonic Sensors and Devices</td>
<td>3(0,0)</td>
<td>PR: EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodetectors and charge-coupled devices will be covered. Spring.</td>
</tr>
<tr>
<td>EST 4236</td>
<td>ECS-ENT  Laser Systems Technology</td>
<td>3(0,0)</td>
<td>PR: EST 3222. The theory of light amplification using gas, solid-state, and semiconductor lasers. Fall.</td>
</tr>
<tr>
<td>EST 4502C</td>
<td>ECS-ENT  Metrology and Instrumentation</td>
<td>4(3,2)</td>
<td>PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.</td>
</tr>
<tr>
<td>ETC 4206</td>
<td>ECS-ENT  Construction Estimating</td>
<td>3(0,0)</td>
<td>PR: MAC 1114, &amp; EGN 1111C or equivalent &amp; ETC 4214C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.</td>
</tr>
<tr>
<td>ETC 424C</td>
<td>ECS-ENT  Construction Materials and Methods</td>
<td>3(2,2)</td>
<td>PR: ETG 3541, CTE 3085, and equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.</td>
</tr>
<tr>
<td>ETC 4242</td>
<td>ECS-ENT  Construction Contracts and Specifications</td>
<td>3(3,0)</td>
<td>PR: ETG 3541. Construction specifications, product specifications, industry standards and building codes in the process of building construction. Spring.</td>
</tr>
<tr>
<td>ETC 4415C</td>
<td>ECS-ENT  Applied Structural Design II</td>
<td>3(2,2)</td>
<td>PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. Odd Fall.</td>
</tr>
<tr>
<td>ETI 3351C</td>
<td>ECS-ENT  Computer Applications</td>
<td>3(2,2)</td>
<td>PR: MAC 1105 and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.</td>
</tr>
<tr>
<td>EST 3541</td>
<td>ECS-ENT  Applied Mechanics</td>
<td>3(0,0)</td>
<td>PR: MAC 1105 and MAC 1114 or equivalent. Cylindrical, parallel, concurrent, and non-concurrent forces and moments. Centroids, CG’s, moments of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact. Fall, Spring.</td>
</tr>
<tr>
<td>EST 4950C</td>
<td>ECS-ENT  Senior Design Project</td>
<td>3(1,4)</td>
<td>PR: Senior Standing. Engineering Technology major and must be within 18 hours of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.</td>
</tr>
<tr>
<td>EST 5591</td>
<td>ECS-ENT  Applied Engineering Research Methods</td>
<td>3(0,0)</td>
<td>PR: Graduate standing on C. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.</td>
</tr>
<tr>
<td>EST 341C</td>
<td>ECS-ENT  Computer Numerical Controls - Machining Applications</td>
<td>3(2,2)</td>
<td>PR: ETG 3530C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EST 3421</td>
<td>ECS-ENT  Materials and Processes</td>
<td>3(3,0)</td>
<td>PR: MAC 1105 and MAC 1114 or equivalent. Chemistry. A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes. Fall.</td>
</tr>
<tr>
<td>EST 3651C</td>
<td>ECS-ENT  Rocket Propulsion Technology</td>
<td>3(0,0)</td>
<td>PR: ETI 4635. Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MTE are covered. Fall.</td>
</tr>
<tr>
<td>EST 3671</td>
<td>ECS-ENT  Technical Economic Analysis</td>
<td>3(3,0)</td>
<td>PR: MAC 1105 or equivalent. Analysis of cost elements in technical operations. Basis for comparison of alternatives. Spring.</td>
</tr>
<tr>
<td>EST 3690</td>
<td>ECS-ENT  Technical Sales</td>
<td>3(3,0)</td>
<td>PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.</td>
</tr>
<tr>
<td>EST 4150</td>
<td>ECS-ENT  Spacecraft Quality Assurance And Testing</td>
<td>3(0,0)</td>
<td>PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.</td>
</tr>
<tr>
<td>EST 3116</td>
<td>ECS-ENT  Applied Reliability</td>
<td>3(3,0)</td>
<td>PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.</td>
</tr>
<tr>
<td>EST 4205</td>
<td>ECS-ENT  Applied Logistics</td>
<td>3(3,0)</td>
<td>PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.</td>
</tr>
</tbody>
</table>

**UCF Courses and Descriptions**

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**EST 3222** ECS-ENT: **Photonics Technology**

PR: PHY 2053C, PHY 2054C, MAC 3402, MAC 2512, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. Fall.

**EST 3543C** ECS-ENT: **Programmable Logic Applications and Device Integration**

PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. Odd Fall.

**EST 3425** ECS-ENT: **Manufacturing of Photonics**

PR: EST 3222. Manufacturing processes and practices of photonics devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.

**EST 3227** ECS-ENT: **Photonic Sensors and Devices**

PR: EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodetectors and charge-coupled devices will be covered. Spring.

**EST 4236** ECS-ENT: **Laser Systems Technology**

PR: EST 3222. The theory of light amplification using gas, solid-state, and semiconductor lasers. Fall.

**EST 4502C** ECS-ENT: **Metrology and Instrumentation**

PR: ETG 3541, EET 3005. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

**ETC 4206** ECS-ENT: **Construction Estimating**

PR: MAC 1114, & EGN 1111C or equivalent & ETC 4214C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

**ETC 424C** ECS-ENT: **Construction Materials and Methods**

PR: ETG 3541, CTE 3085, and equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

**ETC 4242** ECS-ENT: **Construction Contracts and Specifications**

The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. Spring.

**ETC 4243** ECS-ENT: **Building Systems**


**ETC 4414C** ECS-ENT: **Applied Structural Design I**


**ETC 4415C** ECS-ENT: **Applied Structural Design II**

PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. Odd Fall.

**ETD 2350C** ECS-ENT: **Applied CADD**

PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.
ETM 4331C ECS-ENT 4(3,2) Applied Fluid Mechanics: PR: MAC 2323 or MAC 2311, PHY 2053C or equivalent. An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc. Occasional.


EUH 2000 CAH-HIST 3(3,0) Western Civilization I: A survey of western civilization from ancient to 1600. Fall, Spring.


EUH 2001 CAH-HIST 3(3,0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.


EUH 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I. Fall, Spring.

EUH 3142 CAH-HIST 3(3,0) The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and 2001 or C.I. Napoleon's invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.


EUH 3451 CAH-HIST 3(3,0) History of Modern France: PR: EUH 2001, EUH 3242 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. Occasional.

EUH 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1129 to 1607. Occasional.

EUH 3536 CAH-HIST 3(3,0) Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. Occasional.


EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001, Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. Occasional.


EUH 4465 CAH-HIST 3(3,0) Hitler's Third Reich: PR: EUH 2000 and 2001 or C.I. Nazi Germany under Hitler. World War II and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.


EUH 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUH 2000 and 2001, or C.I. Occasional.

EUH 4571 CAH-HIST 3(3,0) History of Russia to 1801: PR: EUH 2000 and 2001, or C.I. Kievan States to Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Rule of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and 2001, or C.I. Alexander I; Napoleon's Invasion; Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.

EUH 4576 CAH-HIST 3(3,0) History of Russia in the 20th Century: PR: EUH 2000 and 2001. This course examines the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: GEH 2001. This course examines the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4610 CAH-HIST 3(3,0) Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich's system of Concerts, revolutions of Italy, Germany, the Bismarckian Era, the alliances systems, and the outbreak of World War I. Occasional.


EUH 4674 CAH-HIST 3(3,0) Sport and Society in the Ancient World: PR: EUH 2000, EUH 2001 or WGH 2022. A comparison of the original form of the Olympic Games (and ancient notions of sport) to their modern counterparts. Occasional.

EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEH Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0) Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5371 CAH-HIST 3(3,0) Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.
UCF Courses and Descriptions

EUV 5415 CAH-HIST  3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. Occasional.

EUV 5459 CAH-HIST  3(3,0)
Colloquium in French History: PR: Graduate status or senior standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUV 5546 CAH-HIST  3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British History. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUV 5579 CAH-HIST  3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUV 5595 CAH-HIST  3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUV 5608 CAH-HIST  3(3,0)
Colloquium: European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 COS-BIOL  1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EVT 3062 ED-TLP  3(3,0)
Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. Occasional.

EVT 3312 ED-TLP  3(3,0)
Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EVT 3365 ED-TLP  3(3,0)
General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EVT 3367 ED-TLP  3(0,0)

EVT 3371 ED-TLP  3(3,0)
Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

EVT 3502 ED-TLP  3(3,0)
Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EVT 4065 ED-TLP  3(3,0)

EVT 4169 ED-TLP  3(3,0)
Curriculum Development Techniques for Vocational Education: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP  3(3,0)
Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.

EVT 4815 ED-ERTL  3(3,0)

EVT 5260 ED-TLP  2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

EVT 5266 ED-TLP  2-4(2-4,0)
Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EVT 5561 ED-TLP  2(3,2-3)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EXP 3204C COS-PSYCH  4(3,2)

EXP 3250 COS-PSYCH  3(3,0)

EXP 3304 COS-PSYCH  3(3,0)

EXP 3404 COS-PSYCH  3(3,0)

EXP 3604 COS-PSYCH  3(3,0)

EXP 4507C COS-PSYCH  3(1,4)
Advanced Human Memory and Cognition: PR: PSY 3213C. EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00

EXP 5208 COS-PSYCH  3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH  3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH  3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH  3(3,0)
Psychology of Learning and Motivation: PR: DEF 5527, and graduate status or senior standing or C.I. Introduction to the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM  3(3,0)
Cinema Survey: 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, both 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, and lighting styles. Spring, Fall. M & S fee: $5.00

FIL 1009 CAH-FILM  3(3,0)
Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Spring, Fall. M & S fee: $5.00

FIL 1100 CAH-FILM  3(3,0)
Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1422 CAH-FILM  3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

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. M & S fee: $0.00

FIL 2107 CAH-FILM  3(3,0)
Script Analysis: PR: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM  3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM  3(3,0)
Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M & S fee: $5.00

FIL 2480 CAH-FILM  3(3,0)
Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 1008 or 1009, and FIL 3427C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 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 2552C CAH-FILM 3(3,2)
Editing I: PR: FIL 1008 or 1009, and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

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. M&S fee: $5.00

FIL 3035C CAH-FILM 3(3,1)
Film Documenaries 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 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2017 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2017 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation, or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)

FIL 3070C CAH-FILM 3(3,1)
Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1)
Cinema in the 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, seriality, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screen writing for motion pictures and television. Students learn how to write stories and scripts for the entertainment marketplace. Fall. Spring.
Cinema Criticism Writing: FIL 3852 CAH-FILM 3(3,0)
Modes of criticism and author analysis to examine films. World Cinema, or Cinema Studies major, or C.I. Intensive Cinema Directors:
and contemporary issues, social, and aesthetic concerns.
FIL 3850 CAH-FILM 3(3,0)
Cinema Directors: PR: 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 3852 CAH-FILM 3(3,0)
Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3830C. Modes of cinema criticism. Occasional.
FIL 3860C CAH-FILM 3(3,1)
The Shot, Framing, Point of View: PR: FIL 3032C. Approaches to the shot, framing and point of view. Occasional.
FIL 3861C CAH-FILM 3(3,1)
FIL 3862C CAH-FILM 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.
FIL 3865C CAH-FILM 3(3,1)
FIL 3870C CAH-FILM 3(3,1)
FIL 3871 CAH-FILM 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee: $5.00
FIL 3876C CAH-FILM 3(3,1)
Experimental Cinema I: PR: FIL 3076C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall. Spring.
FIL 3877C CAH-FILM 3(3,1)
Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists. Fall, spring.
FIL 3878C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C. ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.
FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030. Images of women and film how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.
FIL 3922 CAH-FILM 1(1,1)
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the industry. Graded S/U. May be repeated for credit. Fall, Spring.
FIL 4040 CAH-DIG 3(3,0)
Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. Occasional.
FIL 4042 CAH-FILM 3(3,0)
FIL 4057C CAH-FILM 3(3,1)
Hollywood Cinema I: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.
FIL 4103 CAH-FILM 3(3,0)
Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.
FIL 4113C CAH-FILM 3(2,3)
Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced scriptwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.
FIL 4114C CAH-FILM 3(3,2)
Interactive Writing II: PR: Junior major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.
FIL 4126C CAH-FILM 3(2,2)
Genre Writing: PR: Film major, FIL 3830C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.
FIL 4162C CAH-FILM 3(2,3)
Feature/TV Writing I: PR: FIL BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, or FIL 3115, or C.J. Writing workshop, examination of mythic storytelling, and ethics of scripting. Fall.
FIL 4163C CAH-FILM 3(2,3)
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and readers' coverage. Spring.
FIL 4301C CAH-FILM 3(1,3)
Documentary Workshop I: PR: FIL 3034C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.
FIL 4302C CAH-FILM 3(1,3)
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.
FIL 4303C CAH-FILM 3(3,1)
Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.
FIL 4428 CAH-FILM 3(3,0)
Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.
FIL 4433C CAH-FILM 3(2,4)
Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee: $45.00
FIL 4434C CAH-FILM 3(2,4)
Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall. M&S fee: $10.00
FIL 4436 CAH-FILM 3(3,0)
Film Theory/Film Production: PR: Junior standing and FIL 1000 or FIL 1003, or C.I. Non-narrative filmmaking, demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.
FIL 4455 CAH-FILM 3(3,0)
Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.
FIL 4455C CAH-FILM 3(4,2)
Special Problems in Film Design: PR: FIL 4243 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional. M&S fee: $5.00
FIL 4472C CAH-FILM 3(2,4)
Cinematography II: PR: Film major, FIL 3427C. Advanced principles and techniques of cinematography. Spring. M&S fee: $5.00
FIL 4486C CAH-FILM 3(3,1)
Directing for Film II: PR: Film BFA major and FIL 4480. Principles and practice in directing narrative and documentary motion pictures. Fall. M&S fee: $5.00
FIL 4487 CAH-FILM 3(3,0)
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring. M&S fee: $5.00
FIL 4535C CAH-FILM 3(3,1)
Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.
FIL 4536 CAH-FILM 3(3,0)
Sound Design for Film III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.
FIL 4554C CAH-FILM 3(1,3)
Non-Linear Editing: PR: Film major and FIL 3427C. Provide basic working knowledge of AVID editing system, to edit designed projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee: $45.00
FIL 4566C CAH-FILM 3(3,2)
Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee: $5.00
FIL 4573C CAH-FILM 3(1,3)
Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&S fee: $5.00
FIL 4602 CAH-FILM 3(3,0)
Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. Spring.
FIL 4647 CAH-FILM 3(3,0)
Film Production Management: PR: FIL 3427C 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 theatrical film. Spring.
FIL 4735C CAH-ART 3(2,4)
Advanced Animation: PR: Animation majors only, FIL 3730C, FIL 3734C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee: $45.00
FIL 4740C CAH-FILM 3(3,1)
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.
FIL 4750C CAH-ART 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3200C, 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: $45.00

FIL 4808 Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4830 Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&S fee: $5.00


FIL 4863C CAH-ART 3(3,1) Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the working relationship between cinematography and dialogue. The course is theoretical with practical exercises. Fall

FIL 4934C CAH-ART 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-ART 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 5165 CAH-ART 3(3,0) Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboard to classic structural paradigms for feature film scripts. Fall

FIL 5414 CAH-ART 3(3,0) Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-ART 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-ART 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 documentaries and the Internet. Fall.

FIL 5800 CAH-ART 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIL 5853 CAH-ART 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entre 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-ART 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 multidisciplinary theories that relate to the practice of filmmaking. Fall.
Advanced Oral French Abroad: PR: FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

Advanced French Grammar 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.

Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

French Medieval Literature and Culture: PR: FRW 3010. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. Occasional.

French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present. In French. Occasional.

The French Literature of the Francophone world. Fall. Spring.


20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Saramou, Beckett, Bult, Camus, Mauriac, Malraux and Sarraute. Occasional.


<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 4820</td>
<td>CAH-LANG</td>
<td></td>
</tr>
<tr>
<td>FSS 2221C</td>
<td>RCHM-HOS</td>
<td>Techniques of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FSS 2284C</td>
<td>RCHM-FOOD&amp;LOGD</td>
<td>Food Preparation: Catered Events: the principles of food and beverage preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional.</td>
</tr>
<tr>
<td>FSS 3008</td>
<td>RCHM-HOS</td>
<td></td>
</tr>
<tr>
<td>FSS 3124</td>
<td>RCHM-HOS</td>
<td>Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, negotiations, and controls of food and related products in the hospitality industry. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FSS 3232C</td>
<td>RCHM-HOS</td>
<td>Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which provides the student with the opportunity to develop skills in pantry, garde manager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>RCHM-HOS</td>
<td>Corporate Contract and Managed Services Organizations: PR: HFT 2023. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.</td>
</tr>
<tr>
<td>FSS 4286C</td>
<td>RCHM-HOS</td>
<td>Catering and Banquet Organization: PR: FSS 2221C and junior standing or C.I. 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&amp;S fee: $45.00</td>
</tr>
<tr>
<td>GEB 1091C</td>
<td>BA-BUS</td>
<td>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.</td>
</tr>
<tr>
<td>GEB 2350</td>
<td>BA-MAR</td>
<td>Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>BA-MAN</td>
<td>Cornerstone: Professional Skills for Business: PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of teamwork, communication, creative thinking, and adapting to change. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>BA-MAN</td>
<td>Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>BA-MAN</td>
<td>How to Start a Business: PR: Sophomore Standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>BA-FIN</td>
<td>Introduction to International Business: PR: Junior standing and AGC 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>BA-MAN</td>
<td>Business Plan Preparation: PR: MAN 4802 or GEI 4152. 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.</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>BA-MAN</td>
<td>New Venture Finance: PR: MAN 4802 or GEI 4152. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.</td>
</tr>
<tr>
<td>GEB 4363</td>
<td>BA-FIN</td>
<td>Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.</td>
</tr>
<tr>
<td>GEB 4374</td>
<td>BA-FIN</td>
<td>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.</td>
</tr>
<tr>
<td>GEB 4824</td>
<td>BA-BUS</td>
<td>Business Law in Sport &amp; Entertainment: PR: SPB 3003. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.</td>
</tr>
<tr>
<td>GEB 5516</td>
<td>BA-FIN</td>
<td>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.</td>
</tr>
<tr>
<td>GEB 5941</td>
<td>BA-BUS</td>
<td>Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>ECS-CECE</td>
<td>Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.</td>
</tr>
<tr>
<td>GEO 2370</td>
<td>ECS-CECE</td>
<td>Resources Geography: Analysis of basic principles associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>COS-POLS</td>
<td>World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.</td>
</tr>
<tr>
<td>GER 1120C</td>
<td>CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>GER 1120H</td>
<td>CAH-LANG</td>
<td>Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, and reading/writing. Open only to students with no experience in this language. Honors level content. Occasional.</td>
</tr>
<tr>
<td>GER 1121C</td>
<td>CAH-LANG</td>
<td>Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.</td>
</tr>
<tr>
<td>GER 1121H</td>
<td>CAH-LANG</td>
<td>Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.</td>
</tr>
<tr>
<td>GER 2200</td>
<td>CAH-LANG</td>
<td>Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.</td>
</tr>
<tr>
<td>GER 2201</td>
<td>CAH-LANG</td>
<td>Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.</td>
</tr>
<tr>
<td>GER 2240</td>
<td>CAH-LANG</td>
<td>German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.</td>
</tr>
<tr>
<td>GER 2270</td>
<td>CAH-LANG</td>
<td>Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2271</td>
<td>CAH-LANG</td>
<td>Modern German Civilization 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.</td>
</tr>
<tr>
<td>GER 3102</td>
<td>CAH-LANG</td>
<td>German - Past to Present: PR: GER 3110 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.</td>
</tr>
<tr>
<td>GER 3272</td>
<td>CAH-LANG</td>
<td>Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.</td>
</tr>
</tbody>
</table>
GER 3440 CAH-LANG 3(3,0)

GER 3441 CAH-LANG 3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0)
German Phonetics and Diction: PR: GER 2201. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0)
Life and Culture in Nazi Germany: PR: C.J. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0)
Modern Germany: PR: Given in German. A discussion of the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0)
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3,0)
German Post-War Literature: PR: GER 2201. This course explores the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0)
German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3,0)
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romantism. Occasional.

GEY 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.J. The study of aging will be presented from a multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: GIS 1060C and BSC 2100C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

GYS 4035C ECE-CECE 3(2,2)
Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GYS 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimal paths, 3D digital elevation models, network routing and cost analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0)
Geology and Its Applications: Geologic principles, applications, and techniques. May be repeated for credit. Occasional.

GRA 2101C CAH-ART 3(2,4)
Introduction to Computer Art: PR: ART 2823 or C.J. Special emphasis on the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee: $15.00.

GRA 2101H CAH-ART 3(2,4)
Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphic systems with honors content. Occasional. M&S fee: $15.00.

GRA 2111C CAH-ART 3(2,4)
Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00.

GRA 2140C CAH-ART 3(2,4)

GRA 2151C CAH-ART 3(2,4)

GRA 2190C CAH-ART 3(2,4)

GRA 3102C CAH-ART 3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee: $15.00.

GRA 3112C CAH-ART 3(2,4)

GRA 3202C CAH-ART 3(2,4)
Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring. M&S fee: $15.00.

GRA 3803C CAH-ART 3(2,4)

GRA 4119C CAH-ART 3(2,4)

GRA 4145C CAH-ART 3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2151C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication. Fall.

GRA 4196C CAH-ART 3(2,4)

GRA 4197C CAH-ART 3(2,4)

GRA 4802C CAH-ART 3(2,4)

GRE 1120H CAH-LANG 4(4,0)
Elementary Greek Language and Civilization I: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.

GRE 1121H CAH-LANG 4(4,1)
Elementary Greek Language and Civilization II: PR: GRE 1120H and permission of Honors. Continuation of Elementary Greek I. Occasional.

GRE 2220H CAH-LANG 4(4,0)
Introduction to Greek Literature: PR: GRE 2221H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. Occasional.
<table>
<thead>
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<th>Course Code</th>
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<tbody>
<tr>
<td>HAI 1120</td>
<td>Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>HAI 1121</td>
<td>Elementary Haitian Language and Culture II: PR: HAI 1120. A continuation of HAI 1120. Occasional.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew. Increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II: PR: HBR 2200. Further development of Modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2250</td>
<td>Biblical Hebrew: PR: HBR 1121 or C.I. Grammatical and syntactical structure of Biblical Hebrew. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3410</td>
<td>Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. CI. Study and practice of contemporary conversational Israeli Hebrew. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 1000</td>
<td>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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 1356</td>
<td>Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. Fall.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management: Application of principles of human resources to the hospitality tourism setting. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2359</td>
<td>Design &amp; Maintenance of Golf Equipment: Knowledge and application of golf club design principles and club repair procedures. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2401</td>
<td>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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 2750</td>
<td>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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3263</td>
<td>Hospitality Management: PR: HFT 1000, FSS 2225, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3273</td>
<td>Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3285</td>
<td>International Hospitality Corporation Management: PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3323</td>
<td>Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational related to the physical plant and structure of enterprises in the hospitality industry. Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I: PR: HFT 2399. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising &amp; inventory procedures. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management: PR: HFT 3533. Primary roles and responsibilities of the golf course superintendent. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3555</td>
<td>Golf Planning &amp; Operations II: PR: HFT 3533. Merchandising and inventory control, golf swing philosophy and leadership models. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3557</td>
<td>Golf Event Operations: PR: HFT 1556, HFT 1000, HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3373</td>
<td>Event Design, Production &amp; Technology: PR: HFT 1000, HFT 4750, and HFT 3670; or C.I. The design of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3374</td>
<td>Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2225. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3431</td>
<td>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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3443</td>
<td>Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems: PR: CSG 21000, HFT 2750, and HFT 3263; or 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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3512</td>
<td>Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing: PR: HFT 1000, HFT 2750 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3517</td>
<td>Convention and Conference Sales: PR: HFT 2750 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3523</td>
<td>Event Sales: PR: HFT 2500 and HFT 3510, or C.I. The length look at the sales process of events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management: PR: HFT 1000 and C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food and Beverage Management, and Promotion Management: PR: HFT 2500 and HFT 3263. Covers pricing, promotion, menu and product development. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry: PR: HFT 2750; or C.I. The legal requirements of law as related to the Hospitality/Tourism Industry. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3610</td>
<td>Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3660</td>
<td>Hospitality and Event Risk Management: PR: HFT 3603 and HFT 3263. In-depth treatment of the legal and risk management issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3741</td>
<td>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.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3770</td>
<td>Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management, shipboard organization and delivery of the cruise product to the guest. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>HFT 3785</td>
<td>Management of Gaming Enterprises: PR: Junior level standing; an in-depth study of gaming-based organizations including cruise ship cruise, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.</td>
<td>3(0,0)</td>
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<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>HFT 3792</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Event Design and Production: PR: HFT 1000, HFT 3443, and HFT 3670; or C.I.</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Fairs and Festivals: PR: HFT 1000 and HFT 2790; or C.I. Evolution of modern</td>
</tr>
<tr>
<td>HFT 3807</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Food Service Operations: Management of 1000 and junior standing or C.I. The</td>
</tr>
<tr>
<td>HFT 3834</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Topics in Restaurant and Foodservice Management: PR: HFT 3632 and FSS 2221C.</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>History and Culture of Wine: PR: World History courses or C.I. The role of</td>
</tr>
<tr>
<td>HFT 3933</td>
<td>RCHM-RCHM</td>
<td>1(1,0)</td>
<td>Distinguished Lectures in Hospitality Management: PR: HFT 1000. Junior</td>
</tr>
<tr>
<td>HFT 3949</td>
<td>RCHM-RCHM</td>
<td>0-5(0,1-5)</td>
<td>Cooperative Education: Provides paid, pre-professional work experience related</td>
</tr>
<tr>
<td>HFT 4260C</td>
<td>RCHM-HOS</td>
<td>3(3,1)</td>
<td>Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT</td>
</tr>
<tr>
<td>HFT 4255</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Restaurant Brand Management: PR: HFT 3633 and junior standing or C.I. Exploration</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Case Studies in Restaurant Management: PR: HFT 3633 and junior standing or C.I.</td>
</tr>
<tr>
<td>HFT 4269</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Vacation Ownership Resort Management: PR: HFT 3727, HFT 3622 or C.I.</td>
</tr>
<tr>
<td>HFT 4275</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Development of Vacation Ownership Resorts: PR: HFT 1000 and HFT 4473 or C.I.</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Yacht, Country, And City Club Management: PR: HFT 1000; C.I. A history of the</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Restaurant Leadership Strategies and Management: PR: Hospitality Management</td>
</tr>
<tr>
<td>HFT 4284</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Hospitality Communications: PR: HFT 1000; HFT 2200; HFT 2130; HFT 3003; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Recognizes conflict between theory and practice in a real life hotel. Spring.</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall. Spring.</td>
</tr>
<tr>
<td>HFT 4298</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation. Fall. Spring.</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Technology Applications for Hospitality Management: PR: HFT 3444. Hospitality Information Systems. Provides students with fundamental information system concepts and strategies necessary for applying the technological trends in hospitality organizations. Odd Spring.</td>
</tr>
<tr>
<td>HFT 4425</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Financial Analysis for Restaurant Managers: PR: HFT 2401, HFT 3431, and HFT 3633. Topics of unit level economics, budgeting, valuation of restaurant ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Vacation Ownership Reservations and Database Systems: PR: HFT 1000; HFT 3727, HFT 4522, HFT 2474 or C.I. Tactics and strategies necessary for owner exchange, information transmission, and financial reporting. Occasional.</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Food, Beverage, and Labor Cost Controls: PR: Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>RCHM-HSP SERV</td>
<td>3(3,0)</td>
<td>Hospitality Industry Finance: PR: HFT 3631 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.</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Managing the Employee Experience in the Theme Park and Attractions Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Management in the Theme Park and Attractions: PR: HFT 4755 and HFT 3605; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.</td>
</tr>
<tr>
<td>HFT 4645</td>
<td>RCHM-HOS</td>
<td>3(3,0)</td>
<td>Restaurant Real Estate, Site Selection, and Modeling.: PR: Hospitality and Restaurant Management Corses or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.</td>
</tr>
<tr>
<td>HFT 4722</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.</td>
</tr>
<tr>
<td>HFT 4732</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Tourism Impact Analysis: PR: HFT 3700. Conducts impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.</td>
</tr>
</tbody>
</table>
HFT 4736 RCHM-TEA 3(3,0) Destination Management: Pr: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: Pr: HFT 3770 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(3,0) Exhibit and Trade Show Operations: Pr: HFT 2750 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(3,0) 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(3,0) Event Management: Pr: HFT 3670, HFT 3512, HFT 3373 HFT 3523, HFT 3519, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall, Spring. M&S fee: $37.00

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: Pr: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.


HFT 4786 RCHM-TEA 3(3,0) Managing the Guest Experience in the Theme Park and Attraction Industry: Pr: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Fall.

HFT 4787 RCHM-TEA 3(3,0) Operational Issues in the Theme Park and Attraction Industry: Pr: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.

HFT 4791 RCHM-TEA 3(3,0) Event Management II: Pr: HFT 3670, HFT 3512, HFT 3435, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. Occasional. M&S fee: $45.00

HFT 4795 RCHM-TEA 3(3,0) Entertainment Arts and Events: Pr: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costumes, and makeup. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: Pr: HFT 1000 and HFT 2750, or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA 3(3,0) Catering Management: Pr: HFT 3442, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee: $45.00

HFT 4844 RCHM-HOS 3(3,0) Sanitation in the Food Service Industry: Pr: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1) Beverage Management: Pr: Minimum age of 21 by the first day of class and junior standing. The origin production, storage, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00

HFT 4864 RCHM-TEA 3(3,0) Seminar in Quality Brewing and Fine Beer: Pr: HFT 1000, HFT 3263. Minimum age of 21. The production and service of malt beverages. Spring. M&S fee: $45.00

HFT 4865 RCHM-HOS 3(3,0) Advanced Wine Management: Pr: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00

HFT 4866C RCHM-HOS 3(3,1) Exploring Wines of the World: Pr: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0) International Gastronomy: Pr: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFT 4949 RCHM-RCMH 0-5(0,5) Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0) Foundations of Health Information Management (HIM): Pr: Acceptance into upper-limit divisional access HIM program or C.I. Foundation of professional; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2) Health Record Organization and Management: Pr: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing, compilation, and control; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4) Professional Practice Experience I: Pr: Admission to HIM program or C.I. HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4191 or C.I. Vitalization of computerized information for credit. Departmental permission required before registering.


HIS 4340 CAH-HIST 3(3,0) History of Science: Pr: EUH 2000 and EUH 2001 or C.I. An examination of the nature and development of science. May be used in the degree program a maximum of 2 times. Fall, Spring.


HIS 4400 CAH-HIST 3(3,0) History of Medicine: Pr: AMH 1010 or AMH 2020. The history of medicine and its relationship to culture and society from the Ancient World to the present. Occasional.

History of the Professional Practice Experience II: Pr: HIM 3006 and C.I. HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Analysis of management functions in healthcare setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIS 4916C HPA-HP 3(1,4) Professional Practice Experience II: Pr: HIM 806C and C.R: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Transcription; coding; quality improvement; risk-management; use of current technology; statistical techniques; registering, and licensing; revenue management cycle; medical staff organization. Fall, Spring.


HIS 4944 CAH-HIST 3(3,0) History of Public Health: Pr: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970 CAH-HIST 3(3,0) Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.
HSC 4243 HPA-HP 3(3,0) Analysis of Instruction in Health Professions: Development of teaching and learning environments, learning packet development, course development, questioning strategies, evaluation of didactic and clinical performance. Spring.

HSC 4500 HPA-HP 3(3,0) Epidemiology: PR: HSA 3111 or C.I., STA 2041C or STA 2023. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4555 HPA-HP 3(3,0) Pathophysiological Mechanisms: PR: ZOO 3705C and PCB 3705C, or C.I. A study of pathologic lesions and pathophysiological mechanisms in causation and evolution of the various disease states. Fall, Spring.

HSC 4564 HPA-HP 3(3,0) Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4652 HPA-HP 3(3,0) Health Law and Ethics: PR: HSA 3111 or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall.

HSC 5317 ED-ERTL 3(3,0) Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health Wellness. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.

HSC 5595 HPA-HP 3(3,0) AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, social aspects, sexuality, substance abuse, ethics, referrals services and the decision making process. Occasional.

HUM 2020 CAH-PHL 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-PHL 3(3,0) Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall, Spring.

HUM 2210H CAH-PHL 3(3,0) Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall, Spring.

HUM 2230 CAH-PHL 3(3,0) Humanistic Tradition II: 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. Fall, Spring.

HUM 2230H CAH-PHL 3(3,0) Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 3252 CAH-PHL 3(3,0) Contemporary Multicultural Studies: PR: HUM 2230. Junior standing. Focus includes the study of diverse cultures making up North America in the Information Age, focusing on current trends in psychology, philosophy, art and music. Even Fall.

HUM 3394 CAH-PHL 3(3,0) Representations of Place and Space: PR: HUM 2230 or C.I. Students explore the geography of diverse cultures with emphasis on complex primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3401 CAH-PHL 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 3417 CAH-PHL 3(3,0) Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 3419 CAH-PHL 3(3,0) Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. 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. Occasional.

HUM 3419H CAH-PHL 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-PHL 3(3,0) African Humanities: PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. Occasional.

HUM 3431 CAH-PHL 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 3425 CAH-PHL 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-PHL 3(3,0) Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Central and South America as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHL 3(3,0) Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3660 CAH-PHL 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 4301 CAH-PHL 3(3,0) The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHL 3(3,0) The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. The search for understanding of the world of the spiritual quest, mystical impulses concerned to ethos and pathos. Odd Spring.

HUM 4330 CAH-PHL 3(3,0) Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2110, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performances, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHL 1(1,0) Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHL 3(3,0) Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHL 3(3,0) Religion and the Arts: PR: One of: HUM 2210, HUM 2360, ARH 2050, ARH 2051, or REL 2300. Art, music, and dance in the ritual and spiritual traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHL 3(3,0) Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4933 CAH-PHL 3(3,0) Senior Research Seminar: PR: Senior undergraduate and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5002 CAH-PHL 3(3,0) Applied Contemporary Humanities: PR: HUM 5003, graduate status or senior standing, or C.I. Development of an application research project related to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5003 CAH-PHL 3(3,0) Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3525, HUM 3530, 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 5002 HPA-HP 3(3,0) Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry, fast food outlets, food trends and hunger. Fall, Spring.

HUM 5011 CON-NURS 3(3,0) Human Nutrition: 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 macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.
<table>
<thead>
<tr>
<th>UCF Courses and Descriptions</th>
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<tbody>
<tr>
<td><strong>IDH 1920H</strong> BHC-HON 2(2,1) <strong>Honors Symposium I:</strong> PR: Permission of Honors. Readings, discussions, and laboratories covering aspects of scholarship and service learning. Graded S/U. Fall.</td>
</tr>
<tr>
<td><strong>IDH 1921H</strong> BHC-HON 2(2,0) <strong>Honors Symposium II:</strong> PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.</td>
</tr>
<tr>
<td><strong>IDH 1923H</strong> BHC-HON 2(2,1) <strong>Honors Foundational Leadership:</strong> PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.</td>
</tr>
<tr>
<td><strong>IDH 3600H</strong> CAH-PHL 3(3,0) <strong>Honors Case Studies in Ethics:</strong> PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. Fall.</td>
</tr>
<tr>
<td><strong>IDH 4030H</strong> BHC-HON 1(3,0) <strong>Honors Windows To The World:</strong> PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 1040C</strong> COS-COMM 2(1,1) <strong>Foundations of Leadership:</strong> PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts &amp; Social Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
</tr>
<tr>
<td><strong>IDS 2042C</strong> COS-COS 2(1,1) <strong>LEAD Colloquium:</strong> PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, CEB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDG 1935C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 3150</strong> UGST-INTERDISC 3(3,0) <strong>Foundations of Environmental Studies:</strong> PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.</td>
</tr>
<tr>
<td><strong>IDS 3180</strong> HPA-PUB 3(3,0) <strong>Civic Engagement:</strong> PR: Junior standing and either PAD 2003 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.</td>
</tr>
<tr>
<td><strong>IDS 3333</strong> UGST-INTERDISC 3(3,0) <strong>World Comparative Studies:</strong> PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 3334</strong> CAH-HIST 3(3,0) <strong>Topics in Latino Studies:</strong> PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 3933</strong> UGST-INTERDISC 3(3,0) <strong>Cornerstone Experience:</strong> PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.</td>
</tr>
<tr>
<td><strong>IDS 4156</strong> UGST-INTERDISC 3(3,0) <strong>Solving Environmental Problems:</strong> PR: IDS 3150, ECP 4035, GIS 3040C, GIS 3050C and PUP 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 4204C</strong> ECS-ECS 3(2,2) <strong>Advanced Topics on Energy and Sustainability:</strong> PR: Acceptance to 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.</td>
</tr>
<tr>
<td><strong>IDS 4315</strong> COS-POLS 3(3,0) <strong>Global Perspectives:</strong> PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.</td>
</tr>
<tr>
<td><strong>IDS 4335</strong> CAH-CAH 3(3,0) <strong>Latino Artistic Expressions:</strong> PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.</td>
</tr>
<tr>
<td><strong>IDS 4935</strong> UGST-INTERDISC 3(3,0) <strong>Capstone Experience:</strong> PR: IDS 3935, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&amp;S fee: $17.00.</td>
</tr>
<tr>
<td><strong>IDS 5127</strong> COM-MSM 3(3,0) <strong>Foundation of Bio-Imaging Science:</strong> PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.</td>
</tr>
<tr>
<td><strong>IDS 5145</strong> ECS-EMS 3(3,2) <strong>Interdisciplinary Computational Modeling and Simulation:</strong> PR: HSC 1931C, EGN 1035C, or C.I. Introduction to modeling and simulation with emphasis on multidisciplinary science applications. Fall, Spring.</td>
</tr>
<tr>
<td><strong>IDS 5179</strong> COS-PHIL 3(3,0) <strong>Quantitative Aspects of Modeling and Simulation:</strong> PR: MAC 2241 or equivalent. Introduction to modeling and simulation with emphasis on multidisciplinary science applications. Fall, Spring.</td>
</tr>
<tr>
<td><strong>IDS 5717C</strong> COS-PHIL 3(2,2) <strong>Introduction to Modeling and Simulation:</strong> PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary science applications. Fall, Spring.</td>
</tr>
<tr>
<td><strong>IDS 5915</strong> CAH-PHL 3(3,0) <strong>Research Methods in Cognitive Sciences:</strong> PR: Permission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.</td>
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<tr>
<td><strong>IDS 5936</strong> CAH-PHL 3(3,0) <strong>Topics in Cognitive Sciences:</strong> 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, and behavioral capacities. Fall.</td>
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<tr>
<td><strong>INP 3004</strong> COS-PHIL 3(3,0) <strong>Industrial/Organizational Psychology:</strong> PR: PSY 2012 or C.I. Psychological principles applicable to problems in industrial organizations. Fall.</td>
</tr>
<tr>
<td><strong>INP 3004H</strong> COS-PHIL 1-3(3,0) <strong>Honors Industrial/Organizational Psychology:</strong> PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. Occasional.</td>
</tr>
<tr>
<td><strong>INP 3141C</strong> COS-PHIL 1-3(3,0) <strong>Advanced Applied Psychology:</strong> 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.</td>
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<tr>
<td><strong>INP 3951</strong> COS-PHIL 3(0,10) <strong>Industrial/Organizational Field Work:</strong> PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.</td>
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<tr>
<td><strong>INP 4252</strong> COS-PHIL 3(3,0) <strong>Advanced Industrial Psychology:</strong> PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.</td>
</tr>
<tr>
<td><strong>INP 4313</strong> COS-PHIL 3(3,0) <strong>Organizational Psychology:</strong> PR: INP 3004. 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.</td>
</tr>
<tr>
<td><strong>INP 4380</strong> COS-PHIL 3(3,0) <strong>Psychology of Teamwork:</strong> PR: PSY 2012 or C.I. Dynamics of small teams and groups from social and applied psychology perspectives. Occasional.</td>
</tr>
<tr>
<td><strong>INP 5825</strong> COS-PHIL 3(3,0) <strong>Human-computer Interface (HCI) design:</strong> A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interaction design, including behavior engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.</td>
</tr>
<tr>
<td><strong>INR 2002</strong> COS-POLS 3(3,0) <strong>International Relations-Theory and Practice:</strong> PR: Permission of the instructor. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.</td>
</tr>
<tr>
<td><strong>INR 3016</strong> COS-POLS 3(3,0) <strong>Global Political Issues:</strong> PR: POS 2041 or C.I. Current global political topics from political development and international relations and environmental challenges. Occasional.</td>
</tr>
<tr>
<td><strong>INR 3250</strong> COS-POLS 3(3,0) <strong>Politics of Pan-Africanism:</strong> PR: INR 2002, Political expressions of Pan-Africanism throughout the major regions of the African Diaspora. Occasional.</td>
</tr>
<tr>
<td><strong>INR 3253</strong> COS-POLS 3(3,0) <strong>International Politics of Africa:</strong> PR: Junior standing or C.I. The broad structural processes and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.</td>
</tr>
<tr>
<td><strong>INR 4011</strong> COS-POLS 3(3,0) <strong>Politics of Globalization:</strong> PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.</td>
</tr>
<tr>
<td><strong>INR 4030</strong> COS-POLS 3(3,0) <strong>Diplomacy:</strong> PR: POS 2041. Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy, diplomatic processes in the international arena. Spring.</td>
</tr>
<tr>
<td><strong>INR 4030H</strong> COS-POLS 3(3,0) <strong>Honors Diplomacy:</strong> PR: POS 2041 and consent of Honors. Concepts, theories, and methods of contemporary diplomacy, diplomatic processes in the international arena. Occasional.</td>
</tr>
<tr>
<td><strong>INR 4035</strong> COS-POLS 3(3,0) <strong>International Political Economy:</strong> PR: Permission of the instructor. The international political, economic and financial governance system governing the world today, including international agreements, institutions and organizations. Odd Spring.</td>
</tr>
<tr>
<td><strong>INR 4054</strong> COS-POLS 3(3,0) <strong>Global Politics of Energy:</strong> PR: POS 2041 of INR 2002 or C.I. International dimensions of global energy relations within developed and developing countries. Occasional.</td>
</tr>
<tr>
<td><strong>INR 4060</strong> COS-POLS 3(3,0) <strong>Causes of War:</strong> PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.</td>
</tr>
</tbody>
</table>
INR 4063 COS-POLS  3(3,0)  The Cold War: PR: INR 2002 or C.I. Politics of US-Soviet relations during the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4064 COS-POLS  3(3,0)  Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. Occasional.

INR 4074 COS-POLS  3(3,0)  Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and staleness and their political/security impact. Occasional.


INR 4076 COS-POLS  3(3,0)  Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political eco- nomic systems on drug policies. Selected Latin American and Third World cases. Odd Spring.

INR 4084 COS-POLS  3(3,0)  Politics of International Terrorism: PR: POS 2041 or C.I. Nature and politics of terrorism with pri- mary focus on its implications for international relations. Occasional.


INR 4102 COS-POLS  3(3,0)  American Foreign Policy: 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: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland secu- rity, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS  3(3,0)  American Security Policy: PR: POS 2041, Junior standing, 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: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4224 COS-POLS  3(3,0)  Contemporary International Politics of Asia: 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: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.


INR 4304 COS-POLS  3(3,0)  Issues in International Public Policy: PR: POS 2041. Junior standing or C.I. Analysis of policies regarding international public policy issues. Occasional.

INR 4335 COS-POLS  3(3,0)  Coercion in International Politics: Examination of the role of coercion in international politics. Causes and consequences of coercion. Odd Fall.

INR 4350 COS-POLS  3(3,0)  Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS  3(3,0)  International Environmental Law: PR: Junior standing or C.I. Examination of international 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: POS 2041 or C.I. The intelligence community structure, its components and the making of foreign policy, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401 COS-POLS  3(3,0)  International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expro- priation, nationality, and aliens. Occasional.

INR 4402 COS-POLS  3(3,0)  International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.

INR 4404 COS-POLS  3(3,0)  Space Law: 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: 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: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.


INR 4774 COS-POLS  3(3,0)  Military Space Policy: PR: INR 2002 and junior standing, or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

INT 4131 HPA-COM SCADIS  3(3,0)  Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.

INT 4205C HPA-COM SCADIS  4(3,1)  Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

INT 4206C HPA-COM SCADIS  4(3,1)  Interactive Interpreting II: PR: INT 4205C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. Occasional.

ISC 2215 COS-MATH  1(3,0)  Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineer- ing 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 engineer- ing disciplines. Spring.

ISC 2217 COS-MATH  1(3,0)  Interdisciplinary Applications of Calculus III: CR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineer- ing disciplines. Fall.

ISM 3011C BA-MIS  4(3,1)  Essentials of Management Information Systems: PR: Junior standing and open to Business Majors, Minors and students whose program requires computer science courses. Management and use of information technology (IT) in organizations. Emphasis on how IT impacts operations and decision making. Fall, Spring.

ISM 3011H BA-MIS  3(3,0)  Honors Management Information Systems: PR: Junior standing and business major or minor, permis- sion of Honors, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Occasional.

ISM 3013 BA-MIS  3(3,0)  Introduction to Information Systems Management: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Concepts and methods related to the management of information systems in organizations. Occasional.

ISM 3043 BA-MIS  3(3,0)  Society and Technology: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and security, and access issues. Occasional.

ISM 3214 BA-MIS  3(3,0)  Personal Database Productivity: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. The use of databases and productivity tools. Emphasizes modern tools for accessing organizational data, data mining and reporting. Occasional.

ISM 3253 BA-MIS  4(3,3)  MIS Techniques: PR: CGS 2100C, Open to MIS Majors and Minors and other appropriate majors. Computer programming for users and developers of management information systems. Fall, Spring.

ISM 3424 BA-MIS  3(3,0)  Computer-Aided Decision Making: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Prepares the student to use computer-based tools to assist in making organiza- tional decisions. Also includes a component on problem solving techniques. Occasional.

ISM 3501 BA-MIS  3(3,0)  Essentials of Electronic Commerce: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Prepares the student to use computer-based tools to assist in making organiza- tional decisions. Also includes a component on problem solving techniques. Occasional.
UCF Courses and Descriptions

ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: GEB 3033, or ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.

ISM 4090 BA-MIS 3(3,0) Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. Occasional.

ISM 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114 BA-MIS 3(3,0) Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client server applications for business use of modern development tools. Includes principles of multiuser application design and implementation. Occasional.

ISM 4130 BA-MIS 3(3,0) Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. Fall, Spring.

ISM 4153C BA-MIS 3(2,1) Enterprise Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154 BA-MIS 3(0,0) Enterprise Application Development: PR: ISM 3011C, Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web-based development platforms. Occasional.

ISM 4212C BA-MIS 4(2,0) Database Design and Implementation: PR: ISM 3253. Open to MIS Majors and Minors and other appropriate majors. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220 BA-MIS 3(3,0) Distributed Information Systems: PR: ISM 3253. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications. Managerial and technical dimensions of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238 BA-MIS 3(3,0) Business Programming/OOP: PR: ISM 3253, ISM 4212C, C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Information Technology Management: PR: ISM 4212C. Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314 BA-MIS 3(3,0) Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323 BA-MIS 3(3,0) Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization’s IT infrastructure. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based systems for measuring and decision support in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain Management. Focus on selection of enterprise resource planning technology supporting SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(0,3) Internship in MIS: PR: ISM 3253, ISM 4212C, and 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methodologies used to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate school. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Agora: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for commerce, communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Science Fiction and the Social Sciences: A multimedia examination of notable science fiction from the Social Science perspective. Occasional.

ITA 1120C CAH-LANG 4(3,0) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C CAH-LANG 4(3,0) Elementary Italian Language and Civilization II: 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 idiomatic expressions, 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 culture. Spring.

ITA 2210 CAH-LANG 3(3,0) Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240 CAH-LANG 3(3,0) Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

ITA 3420 CAH-LANG 3(3,0) Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.


ITT 3489 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.

ITT 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 4957H 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.

ITU 2100C COS-COMM 3(3,1) News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar profiency requirement. Newswriting and writing for the mass media. Fall, Spring. M&S fee: $15.00
JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew literature. Occasional.

JST 3803 CAH-JUD 3(3,0) The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present, War & Peace, Society; the Holocaust; the Kibbutz and Israeli reality. Occasional.

JST 3810 CAH-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-Semitism, through analysis of European Jewish history and society. Occasional.

JST 3820 CAH-JUD 3(3,0) Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

LAE 3414 ED-TLP 3(0,0) Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of: interests, needs, and abilities of children. Fall, Spring.

LAE 3414 ED-TLP 3(0,0) Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

LAE 4342 ED-TLP 3(3,0) Programs in Teaching Language and Composition: PR: EDG 4410, CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

LAE 4360 ED-TLP 3(3,0) English Instructional Analysis: PR: EDG 4410, EDI 4467, TSL 4080, and LAE 4464, CR: LAE 4342 and LAE 3460. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

LAE 4361 ED-TLP 3(3,0) Literacy Strategies for Middle and High School: PR: EDG 4232 or EVT 3895 or C.I. Teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.

LAE 4464 ED-TLP 3(0,0) Survey of Adolescent Literature: PR: ENG 1101 and admission to the college. This course is designed to explore adolescent young adult literature from an educational and historical perspective. Spring.

LAE 5195 ED-TLP 3(3,0) CFWP Teacher Consultant; PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing in-service components to public schools. Occasional.

LAE 5295 ED-TLP 1-3(1-3,0) Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

LAE 5319 ED-TLP 3(3,0) Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

LAE 5337 ED-TLP 3(3,0) Literacy Strategies for Middle and Secondary School: PR: EDG 4206 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.

LAE 5338 ED-TLP 3(3,0) Teaching Writing in Middle and High School: PR: EDG 4262 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. Fall, Spring.

LAE 5346 ED-TLP 3(3,0) Methods of Teaching English Language Arts: PR: EDG 4262 or C.I. Techniques for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.

LAE 5367 CAH-ENG 3(3,0) English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.

LAE 5415 ED-TLP 3(3,0) Children’s Literature in Elementary Education: Survey of children’s literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curriculum. Spring.

LAE 5465 ED-TLP 3(3,0) Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

LAE 5495 ED-TLP 3(3,0) Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students’ writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.


LAT 1102C CAH-LANG 4(3,1) Elementary Latin Language and Civilization I: introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1102H CAH-LANG 4(4,1) Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language, with honors-level content. Occasional.

LAT 1121 CAH-LANG 4(3,1) Elementary Latin Language and Civilization II: PR: LAT 1102C or equivalent. Continuation of LAT 1102C. Spring.


LDR 2002 UGST-INTERDISC 2(2,0) Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 10(0,1) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded SU. Fall, Spring.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist’s approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. Occasional.

LIN 3673 CAH-ENG 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today’s expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SCGIS 3(3,0) Language Science: PR: Core: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SCGIS 3(3,0) Language Development: PR: LIN 3713, CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.
LIN 3716L HPA-COM SC&DIS 2.0(2)
Language Development Lab: PR: LIN 3715. CR:
LIN 3716. Procedures for sampling, analyzing, and describ-
ing language in children and adolescents. Graded S/U.
Fall, Spring.

LIN 3717 Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children
from newborn through adolescence, and how meaning is con-
veyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3.0(0)
History of the English Language: PR: Sophomore
standing, and C (2.0) or better required in ENC 1102 and
junior standing or C.I. African-American norms contrasted to
Anglo-American norms with attention given to speech,
acts, kinetics, proxemics, paralinguistics, and gender roles.
Occasional.

LIN 4643 CAH-ENG 3.0(0)
Cross Cultural Communication: PR: Junior stand-
ing or C I., and C (2.0) or better required in ENC 1102.
Styles of spoken, written, and nonverbal communication of
selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3.0(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 4690 CAH-ENG 3.0(0)
Modern English Grammar: PR: Sophomore stand-
ing, 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 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 Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR:
LIN 4711L. Introduction to procedures for sam-
plying, analyzing and describing language samples across
the lifespan. Graded S/U. Fall, Spring.

LIN 4801 Language and Meaning: PR: Grade of C (2.0) or
better required in ENC 1102 and sophomore stand-
ing. 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 Linguistics: PR: Graduate status or senior standing
or C I. Modern linguistic theories and studies focusing
on language acquisition and development, contempo-
rarly American English, semantics, and para-linguistics.
Occasional.

LIN 5675 English Grammar and Usage: PR: Graduate status
or senior standing or C I. An overview of modern grammar,
including structural, transformational and rhetorical gram-
mar, along with an examination of controversial usage.
Occasional.

LIT 2000 CAH-ENG 3.0(0)
Introduction to Literary Interpretation: PR: ENC
1102. Interpretation of fiction, drama, verse: conflict,
characterization, point of view, rhetorical and poetic devices,
figurative language, verse forms; application of critical ap-
proaches to selected works. Occasional.

LIT 2110 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 World Literature II: PR: ENC 1102. Readings from
Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen,
Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3.0(0)
World Literature II - Honors: PR: Permission of
Honors. Same as LIT 2120, with honors-level content.
Occasional.

LIT 3082 CAH-ENG 3.0(0)
Continental European Fiction Since 1900: PR:
Grade of C (2.0) or better required in ENC 1102. A selec-
tion of significant works of fiction written in various languages
during the present century, read in translation. Occasional.

LIT 3192H CAH-ENG 3.0(0)
Honors Caribbean Literature: PR: Permission of
Honors Caribbean Literature: PR: Permission of
Honors of Caribbean Literature. An investigation of
how Caribbean societies have achieved self-expression through
documentary writing, prose fiction, and popular culture, in English.
Occasional.

LIT 3202 CAH-ENG 3.0(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 3313 CAH-ENG 3.0(0)
Science Fiction: PR: ENC 1102. An investigation of
science fiction as a literary form, together with selected
readings. Occasional.

LIT 3381 CAH-ENG 3.0(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 3.0(0)
Women in Literature: PR: ENC 1102. Fiction, poetry,
drama and non-fiction by selected women writers, such as
Emily Dickinson, Jane Austen, George Eliot, Kate
Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich,
Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3.0(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, Zora Neale Hurston, Kate
Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich,

LIT 3394 CAH-ENG 3.0(0)
Literature of AIDS: PR: ENC 1102. To familiarize
students with the new genre of literature that has arisen
related to AIDS. Essays, short stories, plays, poetry, diaries,
and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3.0(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 3482 CAH-ENG 3.0(0)
Literature & Popular Culture: PR: ENC 1102.
Analysis of media to determine popular values in the forma-
tion of popular cultural perceptions. Occasional.

LIT 3823 CAH-ENG 3.0(0)
Hispanic Women Writers: PR: ENC 1102. Hispanic
women in literature in a variety of genres. May be repeated
for credit. Occasional.

LIT 3905 CAH-ENG 3.0(0)
Directed experience in Literature: PR: ENC 1102.
C.I. Individualized topics of study and/or research in liter-
ature with personalized faculty direction. May be repeated
for credit. Occasional.

LIT 3911H CAH-ENG 1.0(0)
Research Methods: Honors: PR: Permission of
Honors. Introduction to scholarship and practical research
in literature and writing. Occasional.

LIT 4043 CAH-ENG 3.0(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 3.0(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 exper-
ience. Occasional.

LIT 4223 Post-Colonial Theory and Literature: PR: Grade
of C (2.0) or better required in ENG 3014. Focus on the
nature of colonial discourse, the strengths of postcolonial
readings, and the relationship of postcolonial theory to
other theories. Occasional.

LIT 4244 CAH-ENG 3.0(0)
World Authors: PR: ENC 3014. Study of the works
of a single non-British and non-U.S. author who composes
in English. May be used in the degree program a maximum of
2 times only when course content is different. Occasional.

LIT 4303 Post-World War II Fiction: PR: Grade of C (2.0)
or better required in ENG 3014. An investigation of various
modes of reality in the works of significant postmodernist
world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3.0(0)
Literature of the Bible: PR: Grade of C (2.0) or better
required in ENG 3014. Literary forms in the Bible — narra-
tive, poetic, and dramatic — and their reflection in modern
literature. Occasional.

LIT 4374H CAH-ENG 3.0(0)
Honors Literature of the Bible: PR: Permission of
Honors and ENC 1102H or equivalent credit. Literary forms
in the Bible — narrative, poetic, and dramatic — and their

LIT 4433 CAH-ENG 3.0(0)
Literature of Science and Technology: PR: ENC
1102 and Junior Standing or C I. Major works of non-fiction
that address and describe the history, philosophy, politics,
and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3.0(0)
Advanced Feminist Theories: PR: Grade of C (2.0)
or better required in ENC 1102, WST 3015 or ENG 3014.
An advanced exploration of feminist critical theories and
practices. Occasional.

LIT 4937H CAH-ENG 3.0(0)
English Honors Seminar: PR: ENC 3014 and
permission of Honors. In-depth study of language and/or
literature with an emphasis on creative and critical abilities.
Occasional.

LIT 5028 CAH-ENG 3.0(0)
Form and Theory of Short Story: PR: Graduate
status or senior standing or C I. Evolving forms and theories
of short fiction and the implications of form and theory.
Occasional.

LIT 5269 CAH-ENG 3.0(0)
Nineteenth-Century Essays: PR: Graduate status
or senior standing or C.I. English non-fiction prose of the
19th century. Occasional.
Captives, Housewives, and Coquettes: or C.I. The romantic revolt in poetry and prose; English, Literature (19th Century). The Romantic Revolt (19th Century).}

Senior standing or C.I. Study of contemporary media and the writing. The “NC” grading policy applies to this course.

Advanced Feminist Theories: Graduate status or senior standing or C.I. Graduate level Feminist Theories from “French Feminism” to “Critical Race Theories”. Occasionally.

MAC 2242 COS-MATH 4(4,0)
Advanced Calculus I: PR: MHF 3302, MAC 2313 and MAC 1140. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The “NC” grading policy applies to this course. Occasionally.

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go too deeply into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The “NC” grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The “NC” grading policy applies to this course. Occasionally.

MAC 2241 COS-MATH 4(4,0)
Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The “NC” grading policy applies to this course. Occasionally.

MAC 2253 COS-MATH 3(3,0)
Applied Calculus I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Differential and integral calculus, with emphasis on differential equations and Laplace Transformations. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2111. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311 COS-MATH 4(4,0)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a grade of C (2.0) or better, 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. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to summer 2008) and MAC 1114 (or equivalent) and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The “NC” grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of “C” (2.0) or better in MAC 2311, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Differention and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The “NC” grading policy applies to this course. Occasionally.

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of “C” (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stokes’s Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors content. Fall, Spring.

MAC 3103H COS-MATH 3(3,0)
Systems Modeling and Simulation: PR: MAC 2312, and either MAC 2233 or MHF 3302, or C.I. Graph theory, stochastic processes, deterministic dynamical systems, partial differential equations, elementaary numerical methods, and computer applications to deterministic system discrete structure. Fall, Spring.

MAC 4203 COS-MATH 3(3,0)
Combinatorics and Graph Theory II: PR: MAC 2312, and either MAC 2233 or MHF 3302, or C.I. Counting principles, permutations and combinations, multisets; recurrense relations and generating functions; combinatorial designs; the Polya theory of counting. Fall, Spring.

MAC 4301 COS-MATH 3(3,0)
Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory, isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAC 4407 COS-MATH 3(3,0)

MAC 4501 COS-MATH 3(3,0)
Introduction to Operations Research: PR: MAC 1114 or MAC 2311. Linear programming, network analysis, sequential search algorithms, dynamic programming, and decision theory. Fall, Spring.

MAC 4502 COS-MATH 3(3,0)
Deterministic Models with Computer Applications: PR: MAC 3103. Deterministic models of inventory and production, network models, and computer applications. Fall, Spring.
MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDCG 4033 or EDCG 6326 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors, the interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) 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(4,0) Honors Management of Organizations: 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 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4441 BA-MAN 3(3,0) 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(3,0) Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics in Society: PR: Management major, ISM 3030. Business Ethics in Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAN 3023, FIN 3043C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4720H BA-MAN 4(4,0) Honors Strategic Management: PR: Permission of Honors and Graduate semester. Course content integrates and applies management theories and frameworks to tackle modern organizational planning problems, and opportunities. Honors content. Occasional.

MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3032 or (MAN 3025 and MAN 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 5021 BA-MAN 1.5(1,5,0) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2,0) Management Concepts: PR: Acceptance in MBA program. Theory and principles of management organizations to include planning, organizational theory, human behavior, and control. Occasional.

MAN 5867 BA-MAN 3(3,0) 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(3,0) Differential Equations: PR: Grade of “C” or better in MAC 2312, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.


MAP 3401 ECS-ENT 3(3,0) Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 3923 COS-MATH 1(1,0) Fourier Methods in Mathematical Research: PR: MAC 2233 or MAC 2312 and C.I. Occasional. Students will complete projects. For Honors students from all disciplines. Occasional.


MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probabil- ity theory; random variables; probability density functions; moments; central limit theorem; random processes; Brownian motion; applications. Occasional.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAC 2313 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 for Actuarial Science: PR: MAC 2312 and STA 2302. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.


MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MGF 3300 and MAS 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 ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0)
Topics in Algebra and Discrete Mathematics: PR: MAS 3106, MAS 4301, and MAD 4203 or MAD 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)
Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidean domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033 COS-MATH 3(3,0)
Intermediate Algebra: Development of algebra skills. Operations with polynomials, rational expressions, radicals, rational exponents; linear and quadratic equations, inequalities. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 5711 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2313, MAP 2302, graduate status or standing, or C.I. Basic programming skills using Mathemtica, Maple, Matlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms. Fall.

MCB 1310 COM-M&M 3(3,0)

MCB 2004C COM-M&M 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee: $45.00

MCB 3020C COM-M&M 5(3,4)
General Microbiology: PR: BSC 2010C, CHM 1032 or CHM 2045C or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environmental control, ecology, pathogenesis, and laboratory techniques. Fall, Spring. M&S fee: $45.00

MCB 3020H COM-M&M 5(3,5)
General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of technical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3,0)
Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 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.

MCB 3203L COM-M&M 1(0,3)
Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory in diagnosis of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee: $45.00

MCB 3404 COM-M&M 3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasis on microbial genetic approaches are used to understand fundamental, physiological processes in bacteria. Spring.

MCB 3522H COM-M&M 3(3,0)

MCB 4114C COM-M&M 4(3,3)

MCB 4203 COM-M&M 3(3,0)
Infectious Processes: PR: MCB 3202C. The infectious process and the response of host cells and tissue to infection. Fall.

MCB 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. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0)
Epidemiology of Infectious Diseases: PR: MCB 3202C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM-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; pathogens and regulations. Fall.

MCB 4414 COM-M&M 3(3,0)

MCB 4503C COM-M&M 3(3,0)

MCB 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: BSC 3405C or CR: PCB 3522. Industry and technical presentation. May be used in the degree program a maximum of 2 times. 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)

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. May be used in the degree program a maximum of 2 times. Fall.

MCB 5505 COM-M&M 3(3,0)

MCB 5527 COM-M&M 3(3,0)
Genetic Engineering and Biotechnology: PR: Graduate standing or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in-depth. Fall.

MCB 5654 COM-M&M 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-M&M 4(2,4)

MGF 1107 COS-MATH 3(3,0)
Explorations in Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall.

MGF 4404 COS-MATH 3(3,0)

MGF 5302 COS-MATH 3(3,0)
Logic and Proof in Mathematics: PR: MAC 2311 or C.I. Selected current research topics in mathematics. Selection of topics will vary. May be repeated for credit. Occasional.
UCF Courses and Descriptions

MHS 2441 ED-CFCS 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-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: C.I. Presents an overview of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,0)
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 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.

MLS 3305L COM-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Fall.

MLS 4334 COM-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of admission and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C COM-M&M 1(1,2)
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C COM-M&M 2(1,3)
Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C COM-M&M 5(3,6)
Clinical Pathogenic Microbiology: PR: MLS 4305 or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4505C COM-M&M 3(0,0)

MLS 4550 COM-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program with C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $45.00

MLS 4625 COM-M&M 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2220, PCB 3703C or C.I. Correlation of laboratory tests to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L COM-M&M 1(0,3)
Advanced Clinical Chemistry Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00

MLS 4630 COM-M&M 3(3,0)
Advanced Clinical Chemistry II: PR: CHM 2220, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4630L COM-M&M 1(0,3)

MLS 4830C COM-M&M 4(4,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory, practice on patient samples, hands on practice, both in the student lab and affiliate. Fall. M&S fee: $15.00

MLS 4831C COM-M&M 4(4,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4625C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00

MLS 4832C COM-M&M 4(4,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiologic correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee: $15.00

MLS 4833C COM-M&M 4(4,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4625C. Advanced study of principles of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00

MLS 4837C COM-M&M 4(4,8)
Advanced Instrumentation: PR: Admission to the MLS program, MLS 4625C. An examination review & practice of techniques impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910 COM-M&M 1(1,0)
Introduction to Clinical Research: PR: MLS 4200C, MLS 4625C, MLS 4505C. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4933 COM-M&M 2(2,0)

MMC 2304 COS-COMM 3(3,0)
Mass Media: Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall.

MMC 3200 COS-COMM 3(3,0)
Introduction to Clinical Research: PR: MLS 4200C, MLS 4625C, MLS 4505C. Introduces MLS students to different types of research within the clinical setting. Spring.

MMC 3240 COS-COMM 3(3,0)
Mass Media: Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV and advertising / public relations research. Fall, Spring.

MMC 4263 COS-COMM 3(3,0)
New Media Technologies: PR: Majors only. RTV 3230. An examination of the technologies impacting the communications media environment and society. Fall, Spring.

MMC 4411 COS-COMM 3(3,0)
Advanced Research Methods: PR: AD/PR majors only and AD/PR 3230, PUR 4000, PUR 3210 or ADV 4101, PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602 COS-COMM 3(3,0)
Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Even Spring.

MML 1001C ECS-AROTC 2(1,1)
Foundations of Officerhood: PR: The unique duties and responsibilities of officers, organization and role of military officer, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MML 1002C ECS-AROTC 2(1,1)
Basic Leadership: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall.

MML 2101C ECS-AROTC 2(1,1)
Individual Leadership Studies: PR: Admission to the leadership and management program. May be repeated for credit. Fall.

MML 2102C ECS-AROTC 2(1,1)
Leadership and Teamwork: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall.

MML 3101C ECS-AROTC 4(3,1)
Leadership and Management: PR: MLS 3020C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MML 3201C ECS-AROTC 4(3,1)
Leadership and Ethics: PR: MLS 3020C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MML 4301C ECS-AROTC 4(3,1)
Leadership and Management: PR: MLS 3020C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MTG 4212 COS-MATH 4(4,0)
Modern Geometries: PR: MAC 2311 and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4302 COS-MATH 3(3,0)
Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 5253 COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 3212 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0)
Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C CAH-MUSIC 2(1,1)
Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall.
MUC 2104C CAH-MUSIC 2(1,1) Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1) Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2,2) MIDI Sequencing I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC Composition Recital: CR: MUC 4106C. Culuminating public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC Electroacoustic Music Composition: PR: MUC 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUE 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-CFC 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee: $30.00

MUE 2450 CAH-MUSIC 1(1,0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00

MUE 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. Odd Spring. M&S fee: $35.00

MUE 3210 ED-TLP 1(1,0) Music in the Elementary School: PR: EDF 2005; CR: ARE 4313, HLP 4272, RED 4519, MUE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.


MUE 3451 CAH-MUSIC 1(1,0) Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1) Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.


MUE 3693 CAH-MUSIC 2(2,0) Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee: $2.00

MUE 3942 CAH-MUSIC 3(3,0) Music Internship I: PR: MUE 4111, MUE 3333, EDS 4410, TSL 4080, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUE 4311 CAH-MUSIC 2(2,0) Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education. K-6, instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TLP 2(2,0) Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials for middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.

MUE 4331 CAH-MUSIC 3(3,0) Secondary Choral Methods I: PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4333 CAH-MUSIC 3(3,0) Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0) Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0) Secondary Instrumental Methods II: PR: MUE 4332. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4350 ED-TLP 2(3-2,0) General Music Pre-K through Grade 8: PR: MUE 3942 or C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Odd Spring.


MUE 4393 CAH-MUSIC 2(2,0) Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.


MUE 4441 CAH-MUSIC 3(3,0) String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(0,0) Honors Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12, instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC 2(2,0) Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1) Basic Conducting: PR: MUS 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


MUG 4103 CAH-MUSIC 2(1,1) Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Odd Spring.

MUM 2040 CAH-MUSIC 3(3,0) Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. Fall, Spring.

MUM 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 content. Even Fall.

MUM 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.
MUN 3713 CAH-MUSIC  1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00.

MUN 3714 CAH-MUSIC  1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $20.00.

MUN 3723 CAH-MUSIC  1(0,3) Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

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: $5.00.

MUN 4476 CAH-MUSIC  1(0,2) Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee: $20.00.

MUN 5125 CAH-MUSIC  1(0,3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00.

MUN 5145 CAH-MUSIC  1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00.

MUN 5215 CAH-MUSIC  1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00.

MUN 5325 CAH-MUSIC  1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00.

MUN 5368L CAH-MUSIC  1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of various literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00.

MUN 5385L CAH-MUSIC  1(0,3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00.

MUN 5445 CAH-MUSIC  1(0,2) Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $35.00.

MUN 5465L CAH-MUSIC  1(0,2) Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00.

MUN 5478L CAH-MUSIC  1(0,3) Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $5.00.

MUN 5715L CAH-MUSIC  1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall. Spring. M&S fee: $20.00.

MUN 5716L CAH-MUSIC  1(0,2) Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of small 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, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3503 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: $45.00.

MUO 5509P 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: $45.00.

MUS 1010 CAH-MUSIC  1(0,2) Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded SU. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC  1(2,0) IPA for Singers: PR: Music major or C.I. For International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.


MUS 2360C CAH-MUSIC  1(2,2) Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CD's, and the Internet. Fall, Spring. M&S fee: $45.00.

MUS 3254 CAH-MUSIC  1(2,0) Italian and French Lyric Diction: PR: MUS 2500. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC  1(2,0) German and English Lyric Diction: PR: MUS 2500. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3990 CAH-MUSIC  3(0,0) Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4905 CAH-MUSIC  1(4-1,4) Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC  3(0,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC  3(0,3) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1002 CAH-MUSIC  3(0,0) Fundamentals of Music II: PR: MUS 1002. Theory and sight singing skills. Occasional.

MUT 1004 CAH-MUSIC  3(0,0) Fundamentals of Music I: PR: MUS 1003. Music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC  4(2,3) Music Theory and Musicianship I: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC  4(2,3) Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1212. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC  4(2,3) Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1222. 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 IV: 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 3100 CAH-MUSIC  3(0,0) Jazz Theory I: PR: MUT 3102 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 3622 CAH-MUSIC  3(0,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC  3(0,3) Jazz Workshop: PR: MUT 3916 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC  1(0,1) 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(0,0) Orchestration: PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.
Music Theory Seminar: MUT 5936 CAH-MUSIC 3(3,0)
May be repeated for credit.

Trumpet I: MVB 1411 CAH-MUSIC 2(1,1)
Intended for non-music majors. May be repeated for credit.

CR: Performing ensemble. Advanced instruction in tuba. Electric. May be used in the degree program a maximum of 3 times. Odd Fall.

Secondary Trumpet: MVB 4443 CAH-MUSIC 4(1,1)
CR: Performing ensemble. Advanced instruction in tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

French Horn I: MVB 1412 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

French Horn II: MVB 1413 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1213. Scales, 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.

Jazz Drum Set II: PR: MVJ 2223. Continuation of MVJ 2222. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MVK 2420</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Piano IV: PR: MVK 3230, Continuation of MVK 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
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<tr>
<td>MVK 2423</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Jazz Guitar IV: PR: MVK 3233, Continuation of MVK 3233. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 2444</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Piano IV: PR: MVK 3411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 3431</td>
<td>CAH-MUSIC</td>
<td>2-3(1,1)</td>
<td>Piano III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 4441</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 4640</td>
<td>CAH-MUSIC</td>
<td>2(2,0)</td>
<td>Piano Pedagogy II: PR: MVK 3411 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of individual and group instruction in the degree program a maximum of 2 times. Even Fall.</td>
</tr>
<tr>
<td>MVK 4641</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. Odd Spring.</td>
</tr>
<tr>
<td>MVK 4960</td>
<td>CAH-MUSIC</td>
<td>0(1,0)</td>
<td>Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization, and transposition. Required of Music majors. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
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<tr>
<td>MVK 5451</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td>Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 5250</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>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.</td>
</tr>
<tr>
<td>MVP 1211</td>
<td>CAH-MUSIC</td>
<td>1(1,0)</td>
<td>Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. Occasional. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVP 1411</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Percussion I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVP 2421</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Percussion II: PR: MVP 1412 and competence determined by faculty jury. Continuation of MVP 1412. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVP 3431</td>
<td>CAH-MUSIC</td>
<td>2-3(1,1)</td>
<td>Percussion III: PR: MVP 2422 and competence 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&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVP 3630</td>
<td>CAH-MUSIC</td>
<td>2(2,0)</td>
<td>Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 4441</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td>Percussion IV: PR: MVK 3432 and competence 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&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVP 5451</td>
<td>CAH-MUSIC</td>
<td>2(0,0)</td>
<td>Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
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<tr>
<td>MVS 1211</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>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.</td>
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<tr>
<td>MVS 1212</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1213</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1214</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1216</td>
<td>CAH-MUSIC</td>
<td>1(0,1)</td>
<td>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.</td>
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<tr>
<td>MVS 1411</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>MVS 1412</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 1413</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 1414</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 1415</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 1416</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 2421</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 2422</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>MVS 2423</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 2424</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.</td>
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<td>MVS 2425</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td>Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>Course Code</td>
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<td>CAH-MUSIC</td>
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<td>CAH-MUSIC</td>
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<td>MVS 3446</td>
<td>CAH-MUSIC</td>
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<td>MVS 4442</td>
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<td>MVS 4443</td>
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<td>MVS 4445</td>
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<td>MVS 5456</td>
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<td>MVS 1111</td>
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<td>MVS 3434</td>
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<td>CAH-MUSIC</td>
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<td>Fall, Spring</td>
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<tr>
<td>MVS 5451</td>
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<td>MVS 5452</td>
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<td>MVS 5453</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
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**Course Descriptions**

- **Violin III**: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Viola III**: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Cello III**: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Bass III**: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Harp III**: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Guitar III**: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
- **Harp IV**: PR: MVS 3435 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times.
- **String Bass IV**: PR: MVS 3434 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times.
- **Violin IV**: PR: MVS 3433 and competence 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.
- **Secondary Flute**: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.
- **Secondary Clarinet**: PR: MVS 2422 and competence determined by faculty jury. May be repeated for credit.
- **Secondary Bassoon**: PR: MVS 2423 and competence determined by faculty jury. May be repeated for credit.
- **Secondary Oboe**: PR: MVS 2424 and competence determined by faculty jury. Continued performance of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.
- **Secondary Cello**: PR: MVS 2425 and competence determined by faculty jury. Advanced instruction in the cello, with additional intensive work expected for performance majors. May be repeated for credit.
- **Secondary Bass**: PR: MVS 2426 and competence determined by faculty jury. Advanced instruction in the bassoon. Intended for non-music majors. May be repeated for credit.
- **Secondary Saxophone**: PR: MVS 2427 and competence determined by faculty jury. Advanced instruction in the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.

**Prerequisites**

- FALL: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.
- SPRING: PR: MVS 2422 and competence determined by faculty jury. May be repeated for credit.
- FALL: PR: MVS 2423 and competence determined by faculty jury. May be repeated for credit.
- SPRING: PR: MVS 2424 and competence determined by faculty jury. Continued performance of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.
- FALL: PR: MVS 2425 and competence determined by faculty jury. Continued performance of the cello, with additional intensive work expected for performance majors. May be repeated for credit.
- SPRING: PR: MVS 2426 and competence determined by faculty jury. Advanced instruction in the bassoon. Intended for non-music majors. May be repeated for credit.
### UCF Courses and Descriptions

**NGR 5090** **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. Fall, Spring.

**NGR 5720** **CON-NURS** 3(3,0)  
Organizational Dynamics: PR: Baccalaureate degree or C.I. Examination of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

**NGR 5745** **CON-NURS** 1(1,0)  
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5891 and NGR 5891. Student must be in last second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

**NGR 5800** **CON-NURS** 3(3,0)  
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.

**NGR 5871** **CON-NURS** 3(3,0)  
Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.

**NGR 5883** **CON-NURS** 1(1,0)  
Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

**NGR 5884** **CON-NURS** 3(3,0)  
Legal and Professional Behavior in Advanced Practice Nursing: PR: Admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. Fall, Spring.

**NSP 4685** **CON-NURS** 3(3,0)  

**NSP 4695** **CON-NURS** 3(3,0)  
Forensic Nursing Principles and Practice: PR: Admission to the BSN Program or C.I. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. Occasional.

**NUR 3028** **CON-NURS** 2(2,0)  
Essentials of Nursing Practice: PR: Admission to BSN program, CR: NUR 3028L and NUR 3065L and NUR 3065L and NUR 3065L. Apply nursing process and core scientific principles to technical problems related to the MSN Program and integrate evidence-based principles and nursing process to clients in long-term care. Fall.

**NUR 3028L** **CON-NURS** 1(0,2)  
Essentials of Nursing Practice Lab: PR: Admission to BSN program, CR: NUR 3028L and NUR 3065L and NUR 3065L and NUR 3065L. Lab to learn and apply evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee: $45.00

**NUR 3065** **CON-NURS** 2(2,0)  
Health Assessment: CR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

**NUR 3065L** **CON-NURS** 1(1,0)  
Health Assessment Lab: CR: or CR: NUR 3065L. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee: $15.00

**NUR 3125** **CON-NURS** 3(3,0)  
Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Course content includes advanced and basic care applications of the pathophysiological basis of illness. Fall.

**NUR 3145** **CON-NURS** 3(3,0)  
Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

**NUR 3165** **CON-NURS** 3(3,0)  
Nursing Research: PR: Admission to the BSN program. CR: NUR 3024L or 2023. Course content: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. Fall, Spring.

**NUR 3165H** **CON-NURS** 3(3,0)  
Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2044C or STA 2023L. Course content: successful completion of the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

**NUR 3167** **CON-NURS** 1(2,0)  
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.
NUR 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Integrate biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall. M&S fee: $45.00

NUR 3445 CON-NURS 3(3,0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225 NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee: $45.00

NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program; CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 3634L CON-NURS 2(0,6) 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 3834L. Clinical concepts of community nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall. M&S fee: $45.00

NUR 3755L CON-NURS 2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834 and NUR 3834L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee: $45.00


NUR 3805 CON-NURS 3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/Junior level or C.I; ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS 2(2,0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.


NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Enrollment in School of Nursing. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0) Holistic Nursing: Explore lived experience of health, wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program. Clinical care of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4555; NUR 4555L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS 3(3,0) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4555; NUR 4555L; or C.I. Clinical application of acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. 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) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. 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 individu- als and families experiencing perinatal loss and grief. Occasional.


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 4555L. 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 4555; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: CR: NUR 4535; NUR 4827, 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 S/U. Fall, Spring.

NUR 4637 CON-NURS 2(0,0) 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 4945L, NUR 4945. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, Nursing Practicum; NUR 4555L, Nursing Practicum. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate healthcare services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across acute care settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0) Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0) Leadership and Management Principles: PR: RN status, RN Status or C.I. Scientific theories and principles to professional practice among licensed health care professionals. Application 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 program; admission to the Honors or Honors in the major program or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 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 health 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 first & second semester BSN curriculem course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.


NUR 4906 CON-NURS Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U. Occasional.

NUR 4930 CON-NURS 3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: CI (Consent of Instructor). In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4) Nursing Practicum: PR: Admission to the BSN program; 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 CI. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 3(3,0) Thesis or Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. Occasional.


OCE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 4024 or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OCE 4052 OPT-OPT 3(3,0) Introduction to Photonics: PR: EEL 3470. Properties of light as waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3,0) Optical Fiber Communication Systems: PR: EEE 3350 and OCE 4052. Introduction to the principles and design of optical fiber communication systems including the opticoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3123C and OCE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. Spring.

OCE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as light, reflection, interference, polarization, coherence, and guided waves. Occasional.

OCE 5203 OPT-OPT 3(3,0) Geometrical Optics and Imaging Systems: PR: Graduate standing or C.I. Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry, Fall, Spring.

OCE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and reflection of materials. Classical and quantum mechanical description of optical properties. Fall, Spring.

OCE 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.

OCE 5514 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.

OCE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4440 and OCE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: POS 2041. 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. Ethics dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: PAD 3003 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: ENC 1102 or CI. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-PUB 1(1,0) American Humancins Human Service Workshop: PR: Enrollment in American Humancins Minor or National Certificate Program through American Humanincs Program office. 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 repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administrina. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and political problems of management affecting administrina. Spring. Fall, Spring.

PAD 4110 HPA-PUB 3(3,0) Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, 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.
UCF Courses and Descriptions

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. M&S fee: $6.00.

PEL 2122 ED-CFCS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

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. M&S fee: $24.00.

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.

PEM 2010 ED-CFCS 3(2,1) 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, 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 2121C 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. M&S fee: $3.00.


PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee: $10.00.

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, flying and backpacking. Occasional. M&S fee: $3.00.

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring. M&S fee: $5.00.

PEM 2173 ED-CFCS 2(1,1) Step Aerobics: Appropriate rhythmic muscle toning movements utilizing one 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 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core 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 2443 ED-CFCS 2(1,2) Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.

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 1121 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(1,1) 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. M&S fee: $5.00.

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee: $9.00.

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. M&S fee: $6.00.

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1) Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2084 ED-CFCS 3(3,0) Introduction to Sport and Fitness: An introduction to sport and fitness industry professions with emphasis in fitness, recreation, physical activity, and human performance. Occasional.

PET 2622C ED-CFCS 3(2,1) Human Injuries: PR: C.I. Prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program or ZOO 3736C, PET 4125, PET 4550 (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0) Concepts & Practices in Sport and Fitness: PR: Admission to the Sport and Fitness program or C.I. Examination of concepts and practices in sport and fitness. Fall, Spring.


PET 3329C HPA-HP 3(2,1) Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.


PET 3361 ED-CFCS 3(3,0) Nutrition for Sport and Fitness: PR: Admission to Sport and Fitness program and ZOO 3736C or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sport and fitness. 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, diet & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3620 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3733C or ZOO 3736C and PCB 3703C. Junior standing; open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&S fee: $15.00.

PET 3623C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 3620. Recognition and evaluation skills required to perform an injury assessment of the lower extremity and spine and provide immediate management. Fall.

PET 3627C HPA-HP 3(2,1) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C and PCB 3703C. Junior standing; open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&S fee: $15.00.

PET 3633C HPA-HP 3(2,1) Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C. Junior standing; open to all non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81.

PET 3649C HPA-HP 2(1,1) Clinical Skills for Athletic Training II: PR: PET 3633C and (ZOO 3733C or ZOO 3736C) and PCB 3703C. COHPA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.
PET 3670L HPA-HP 4(0,16)
Practicum in Athletic Training I: PR: PET 3620. Clinic introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0,16)
Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 2(1,1)
Teaching Physical Education in the Secondary School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admitted to CDE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4215, PET 4550, PET 4312 (all required); or C.I. Integration of advanced concepts of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1)
Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0)
Internship I Physical Education: PR: EDG 4323; CR: PR: PET 3900. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 3(0,16)

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, and hiking. Occasional.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into personal and fine motor skills. Fall, Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312 ED-CFCS 3(2,1)
Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2)
Biomechanics of Sport: PR: PHYS 2053C or PHYS 2045C & L. An in-depth understanding of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C ED-CFCS 3(2,1)
Applied Exercise and Human Physiology: PR: ZOO 3733C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with emphasis on application to physical education and sport. Fall, 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 4550 ED-CFCS 3(2,1)

PET 4603C 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: $33.50.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C. Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Fall, Spring.

PET 4624C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: PET 3620. Recognition and evaluation skills required to perform an injury/fitness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 4625 ED-CFCS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program, PET 2622C and ZOO 3736C, PET 4312 (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

PET 4630C HPA-HP 4(2,4)

PET 4632C HPA-HP 4(2,4)

PET 4636C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4624C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0,16)
Practicum in Athletic Training I: PR: PET 3620C or C.I. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall.

PET 4673L HPA-HP 4(0,16)
Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4674 HPA-HP 1(1,0)

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4724 ED-CFCS 3(3,0)
Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/ coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Fall, Spring.

PET 4925 ED-CFCS 6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/2 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

PET 4926 ED-CFCS 12(0,35)
Sport and Fitness Practicum II: PR: Sport & Fitness Practicum I and overall GPA of 2.5. Field experience in a sport and fitness related organization, association, or business. Graded S/U. Fall, Spring.

PET 4943 ED-CFCS 12(0,35)
Internship II: PR: Must have completed coursework in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35)
Internship II: PR: Must have completed coursework in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 3(3,0)
MOTIVATIONAL ASPECTS OF COACHING: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 3(3,0)
Health and Physical Education: PR: Admission to master’s degree program or certificate program. Will provide educators with an in-depth understanding of energy pathways, neuromuscular, cardiorespiratory, and cardiovascular systems during exercise. Emphasis on understanding principles of exercise and applying those principles to wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0)
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching ethics and leadership in secondary, elementary, and post-secondary environments. Developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(3,0)
Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.
PHI 3041 CAH-PHIL 3(3,0)
Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHI 3100 CAH-PHIL 3(3,0)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHI 3200 CAH-PHIL 3(3,0)
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish, and Christian philosophy 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 ideas and beliefs 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 contemporaneous 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, poststructuralism, and liberation philosophies. Occasional.

PHI 3700 CAH-PHIL 3(3,0)
American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary attention 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 4100 CAH-PHIL 3(3,0)
Introduction to Philosophy: Inquiry into the nature and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 4101 CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 4111 CAH-PHIL 3(3,0)

PHI 4201 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentences and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminateness logics. Occasional.

PHI 4208 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, 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 2101 or COS 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 3022 CAH-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHS 3123, or C.I. Examines the contributions of poststructuralist and neurocognitive theories to cultural issues in sexuality and gender. Even Spring.

PHI 3204 CAH-PHIL 3(3,0)

PHI 3205 CAH-PHIL 3(3,0)
Advanced Illustrative Photography: PR: PHG 3002 or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00.

PHI 3206 CAH-PHIL 3(3,0)

PHI 3207 CAH-PHIL 3(3,0)
Image, Culture, and Society: PR: PHG 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PHI 3209 CAH-PHIL 3(3,0)

PHI 3210 CAH-PHIL 3(3,0)

PHI 3211 CAH-PHIL 3(3,0)

PHI 3212 CAH-PHIL 3(3,0)

PHI 3213 CAH-PHIL 3(3,0)

PHI 3214 CAH-PHIL 3(3,0)

PHI 3215 CAH-PHIL 3(3,0)

PHI 3216 CAH-PHIL 3(3,0)

PHI 3217 CAH-PHIL 3(3,0)

PHI 3218 CAH-PHIL 3(3,0)
personhood, and the relation of psychology to neurobiology.

C.I. Recent and contemporary attempts to understand the

Philosophy of Mind:
PHI 3320 CAH-PHIL 3(3,0)

PHI 3323 CAH-PHIL 3(3,0)

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 interlocking issues. Occasional.

PHI 3601 CAH-PHIL 1(1,0)
Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course applies 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 contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall. Spring.

PHI 3629 CAH-PHIL 3(3,0)

PHI 3638 CAH-PHIL 3(3,0)

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, biocentrism, and social ecology. Occasional.

PHI 3648 CAH-PHIL 3(3,0)
Ethical Implications of the Human Genome Project: PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. Occasional.

PHI 3670 CAH-PHIL 3(3,0)
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.
UCF Courses and Descriptions

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 Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophylloty, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

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 application in 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, or graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5685 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 and PHI 2010, or consent of instructor. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. 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) Feminist Theorists: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

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 3783 CAH-PHIL 3(3,0) Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHP 3786 CAH-PHIL 3(3,0) Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and critique of the human condition as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.


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 Lab I: CR: PHT 3112. Human cadaver dissection 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 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6) Gross Anatomy/Neuroscience Lab II: 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) Clinical Kinesiology Lab I: CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. Occasional.

PHT 3155 HPA-HP 2(2,0) Physiology of Therapeutic Exercise: PR: PHT 3059. 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 I: CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. Occasional.

PHT 3259 HPA-HP 2(2,0) Patient Care Skills I: CR: PHT 3259. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.

PHT 3259L HPA-HP 1(0,2) Patient Care Skills Lab I: CR: PHT 3259. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHT 4222L HPA-HP 1(0,2) Therapeutic Exercise Lab I: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230 HPA-HP 2(2,0) Therapeutic Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230L HPA-HP 1(0,2) Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: PR: PHT 3112. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology II: The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Pharmacology, neuropathology and orthopedic pathology to the study of movement. Occasional.


PHT 5125 HPA-HP 2(2,0) Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional.

PHT 5125L HPA-HP 2(2,0) Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and soft tissues. Occasional. M&S fee: $15.00

PHT 5218 HPA-HP 2(2,0) Theories and Procedures I: PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema and weakness. Spring.
PHY 2049H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2049C, MAC 2312. Same as PHY 2049C with honors-level content. Occasional.

PHY 2053C College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall. Spring. M&S fee: $15.00

PHY 2053H Honors College Physics I: PR: MAC 1105 and MAC 1114 or C.I. and consent of Honors. Physics, mechanics, waves, thermodynamics. With Honors content. Fall.

PHY 2054C College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00


PHY 2090 PHYSICS TODAY 0(0,1.5) Physics Today: CR: PHY 2048C or PHY 2049C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.

PHY 3101 PHYSICS FOR ENGINEERS AND SCIENTISTS III: PR: MAC 2313 and PHY 2049H or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3110H PHYSICS FOR ENGINEERS AND SCIENTISTS III: PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

PHY 3220 PHYSICS FOR ENGINEERS AND SCIENTISTS III: PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.


PHY 3513 THERMAL AND STATISTICAL PHYSICS: PR: PHY 2049C, MAC 2312. Energy, entropy, the second law of thermodynamics, the Boltzmann equation. Fall.


PHY 3802L INTERMEDIATE PHYSICS LABORATORY: PR: PHY 3101, or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3890 PHYSICS FOR ENGINEERS AND SCIENTISTS II: PR: PHY 2048C or PHY 2048C. Electricity, magnetism, optics. Fall, Spring. M&S fee: $15.00


PHY 4424L OPTICAL PHYSICS LABORATORY: A laboratory course on geometric optics, interference, diffraction, polarization and imaging. Occasional.

PHY 4445 LASERS: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators, and modes, and description of specific laser systems. Occasional.


PHY 5015C PHYSICS FOR TEACHERS II: PR: Graduate status or senior standing or C.I. Hands-on lecture-laboratory course. Modern electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5010 TOPICS IN CONTEMPORARY PHYSICS FOR TEACHERS: PR: Graduate status or senior standing or C.I. A study of recent developments in contemporary physics. May be repeated for credit. Occasional.

PHY 5140C ION-SOLID INTERACTIONS: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5200C NEWTONIAN MECHANICS FOR TEACHERS: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course designed to cover basic concepts in classical mechanics. Occasional.

PHY 5300C ELECTRICITY FOR TEACHERS: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5302C ELECTROMAGNETISM FOR TEACHERS: PR: Graduate status or senior standing or C.I. Gauss’ Law, Biot-Savart Law, Ampere’s Law, Faraday’s Law, Lenz’s law, motors, generators, AC circuits and Maxwell’s Equations. Occasional.

PHY 5346 ELECTRODYNAMICS I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell’s equations, EM fields in matter, wave generation and propagation; waveguides, resonant cavities. Fall.

PHY 5401C OPTICS FOR TEACHERS: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

PHY 5455 MODERN X-RAY SCIENCE: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 4554</td>
<td>HPA-CJ/LS</td>
<td>Environmental Law</td>
<td>3(3,0)</td>
<td>PLA 3034 and PLA 4485 or C.I. or Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Fall, Odd. Fall, Odd.</td>
</tr>
<tr>
<td>PLA 4583</td>
<td>HPA-CJ/LS</td>
<td>Cyber Law I</td>
<td>3(3,0)</td>
<td>PLA 3014. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.</td>
</tr>
<tr>
<td>PLA 4583H</td>
<td>HPA-CJ/LS</td>
<td>Honors Cyber Law</td>
<td>3(3,0)</td>
<td>Honors GEIP completed or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. Occasional.</td>
</tr>
<tr>
<td>PLA 4607</td>
<td>HPA-CJ/LS</td>
<td>Estates and Trusts</td>
<td>3(3,0)</td>
<td>PLA 3014, PLA 3652. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4609</td>
<td>HPA-CJ/LS</td>
<td>Estate Administration</td>
<td>3(3,0)</td>
<td>PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.</td>
</tr>
<tr>
<td>PLA 4703</td>
<td>HPA-CJ/LS</td>
<td>Professional Ethics and Liability</td>
<td>3(3,0)</td>
<td>PLA 3014. Ethical responsibilities of professionals. Carons of legal ethics, liability for professional malpractice. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4710</td>
<td>HPA-CJ/LS</td>
<td>Careers in Legal Studies</td>
<td>1(1,0)</td>
<td>PLA 3014, C.I. Application of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>PLA 4734</td>
<td>HPA-CJ/LS</td>
<td>Advanced Legal Applications Computer Software</td>
<td>3(3,0)</td>
<td>PLA 3024 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.</td>
</tr>
<tr>
<td>PLA 4764</td>
<td>HPA-CJ/LS</td>
<td>Law Office Practices</td>
<td>3(3,0)</td>
<td>PLA 3014. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.</td>
</tr>
<tr>
<td>PLA 4806</td>
<td>HPA-CJ/LS</td>
<td>Domestic Relations Law</td>
<td>3(3,0)</td>
<td>PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4813</td>
<td>HPA-CJ/LS</td>
<td>Juvenile Law and Procedure</td>
<td>3(3,0)</td>
<td>PLA 3014 or C.I. Examine both substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.</td>
</tr>
<tr>
<td>PLA 4823</td>
<td>HPA-CJ/LS</td>
<td>Sports Law</td>
<td>3(3,0)</td>
<td>PLA 3014 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.</td>
</tr>
<tr>
<td>PLA 4825</td>
<td>HPA-CJ/LS</td>
<td>Entertainment Law</td>
<td>3(3,0)</td>
<td>PLA 3014 or C.I. Introduction to the conception and regulation of the entertainment industry and the associated legal issues. Occasional.</td>
</tr>
<tr>
<td>PLA 4826</td>
<td>HPA-CJ/LS</td>
<td>Advanced Entertainment Law</td>
<td>3(3,0)</td>
<td>PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. Occasional.</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>HPA-CJ/LS</td>
<td>World Legal Systems</td>
<td>3(3,0)</td>
<td>PLA 3014 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.</td>
</tr>
<tr>
<td>PLA 4864</td>
<td>HPA-CJ/LS</td>
<td>Admiralty and Maritime Law</td>
<td>3(3,0)</td>
<td>PLA 3014. Admiralty jurisdiction and procedure including contracts for carriage of goods, seamen’s contracts and claims, collision, abandonment, salvage law, and wrongful death. Occasional.</td>
</tr>
<tr>
<td>PLA 4910</td>
<td>HPA-CJ/LS</td>
<td>Trial Advocacy</td>
<td>3(3,0)</td>
<td>PLA 3034, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4935</td>
<td>HPA-CJ/LS</td>
<td>Capstone: Legal Issues</td>
<td>3(3,0)</td>
<td>PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal knowledge and skills entering employment or graduate education. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 5587</td>
<td>HPA-CJ/LS</td>
<td>Current Issues in Cyberlaw</td>
<td>3(3,0)</td>
<td>PLA 3014, C.I. Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.</td>
</tr>
<tr>
<td>PLA 5937</td>
<td>HPA-CJ/LS</td>
<td>Seminar in Contemporary Legal Problems</td>
<td>3(1,2)</td>
<td>PLA 3014. C.I. Analysis of current trends in legislation and court decisions and their significance to American society. Occasional.</td>
</tr>
<tr>
<td>POR 1120C</td>
<td>CAH-LANG</td>
<td>Elementary Portuguese Language and Civilization I</td>
<td>4(3,1)</td>
<td>Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.</td>
</tr>
<tr>
<td>POR 1121C</td>
<td>CAH-LANG</td>
<td>Elementary Portuguese Language and Civilization II</td>
<td>4(3,1)</td>
<td>Introduces the student to Portuguese culture through the major language skills: reading, writing, listening, and speaking. Spring.</td>
</tr>
<tr>
<td>POR 2200</td>
<td>CAH-LANG</td>
<td>Intermediate Portuguese I</td>
<td>3(3,0)</td>
<td>POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Fall, Spring.</td>
</tr>
<tr>
<td>POR 2201</td>
<td>CAH-LANG</td>
<td>Intermediate Portuguese II</td>
<td>3(3,0)</td>
<td>POR 1120C or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.</td>
</tr>
<tr>
<td>POR 3140</td>
<td>CAH-LANG</td>
<td>Accelerated Portuguese for Speakers of Romance Languages</td>
<td>3(3,0)</td>
<td>Intermediate Portuguese or equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.</td>
</tr>
<tr>
<td>POS 2041</td>
<td>COS-POLS</td>
<td>American National Government</td>
<td>3(3,0)</td>
<td>Examination of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.</td>
</tr>
<tr>
<td>POS 2041H</td>
<td>COS-POLS</td>
<td>Honors American National Government</td>
<td>3(3,0)</td>
<td>Permission of Honors. Same as POS 2041 with honors-level content. Occasional.</td>
</tr>
<tr>
<td>POS 3076</td>
<td>COS-POLS</td>
<td>American Indian Politics</td>
<td>3(3,0)</td>
<td>PLA 3014 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.</td>
</tr>
</tbody>
</table>
PSY 2012 COS-PsyCh 3(3,0)
General Psychology: A survey of the basic principles, theories, methods, and research in psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PsyCh 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PsyCh 1(1,0)

PSY 3022C COS-PsyCh 3(1,8)

PSY 3028 COS-PsyCh 3(3,0)
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PsyCh 4(3,2)
Statistical Methods in Psychology: PR: PSY 2012; or CR: STA 2014C or STA 2023. C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3204H COS-PsyCh 4(3,1)
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PsyCh 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PsyCh 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PsyCh 3(0,0)

PSY 3320C COS-PsyCh 3(2,2)

PSY 3624 COS-PsyCh 3(3,0)

PSY 3630 COS-PsyCh 3(3,0)

PSY 3703 COS-PsyCh 3(3,0)
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

PSY 3951 COS-PsyCh 1-3(3-30)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PsyCh 3(3,0)
The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PsyCh 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4270L COS-PsyCh 3(0,3)
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4305C COS-PsyCh 3(1,4)

PSY 4604 COS-PsyCh 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PsyCh 3(3,0)
Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PsyCh 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or C.P.O. 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0)
Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. Focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0)
Sustainability: PR: POS 2041 or C.I. Environmental policies through the lens of “sustainability”, attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0)

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0)
Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0)
Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0)
Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0)
Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policy-makers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0)
Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0)
Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUP 5100 COS-COMM 3(2,1)
Writing for Public Relations: PR: AD/PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 4000 COS-COMM 3(3,0)
Public Relations: PR: SPC 1608, or SPC 1603, or COM 1000. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUP 4110C COS-COMM 3(1,3)
Public Relations Publications: PR: ENC 2210 or PUR 3101 or JOU 210C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-COMM 3(3,0)
PR/Advertising Ethics and Law: PR: AD/PR majors only and ADV 3004. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.
UCF Courses and Descriptions

PUR 4801 COS-COMM 3(3,0)
Public Relations Case Studies: PR: AD/PR majors only or 4000 or C.I. F: Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

RAT 3001 HPA-HP 3(3,0)

RAT 3241 HPA-HP 3(3,0)

RAT 3242 HPA-HP 2(2,0)
Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2,0)

RAT 4247 HPA-HP 3(3,0)
Radiation Oncology I: Methods of radiation therapy; treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3,0)
Radiation Oncology II: Methods of treatment of malignant conditions of the central nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. Occasional.

RAT 4618C HPA-HP 4(3,0)
Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 3(3,0)
Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0,20)

RAT 4814L HPA-HP 6(0,24)

RAT 4824L HPA-HP 6(0,24)

RED 3012 ED-TLP 3(3,0)
Basic Foundations of Reading: PR: Junior standing or C.I. F: Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 3310 ED-CFC5 3(3,0)

RED 4043 ED-TLP 3(3,0)
Content Reading in Kindergarten through Grade 3: PR: Junior or senior standing. Administration of an instrument to evaluate the teacher education program. Content literacy in the K-12 school curriculum: Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311 ED-CFC5 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TLP 3(3,1)

RED 4942 ED-TLP 3(3,0)
PRACTicum for Assessment and Instruction of Reading: PR: RED 4519. CR: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TLP 3(3,0)

RED 5517 ED-TLP 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TLP 3(3,0)
PRACTicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate: PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0)

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0)
Real Estate Investment Analysis: PR: FIN 3403C. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through pre-sale, lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN 3(3,0)
Advanced Topics in Real Estate: PR: REE 3433 or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: ENGL 3320 or other PHI 2000 or PHI 2100. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115 CAH-PHIL 3(3,0)

REL 3131 CAH-PHIL 3(3,0)

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2320 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3433, HUM 3435, HUM 3522, HUM 4303, HUM 4524, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 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 West and abroad. Occasional.

REL 4180H CAH-PHIL 3(3,0)

REL 4901 CAH-PHIL 1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sample 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 Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C HPA-HP 4(3,3) Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamentals of respiratory care. Principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall. M&S fee: $49.50.

RET 3269C HPA-HP 4(3,3) Respiratory Therapist: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(2,3) 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 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 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 4287 HPA-HP 3(3,0) Cardiopulmonary Diagnostics I: PR: RET 4246. Noninvasive cardiac diagnostics, including echocardigraphy, 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, PTCAs, stent placements, and heart surgery. Spring.

RET 4441 HPA-HP 4(0,3) Vascular Ultrasound: Study of application of ultrasound in the diagnosis of vascular diseases. Includes Doppler and color and flow Doppler examination of arterial and venous systems. Occasional.

RET 4443 HPA-HP 4(0,3) Advanced Cardiac Ultrasound: PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional Doppler, and color Doppler covered. 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 3311C & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardipulmonary rehabilitation program. Spring.

RET 4715 HPA-HP 3(3,0) Neonatal Medicine: PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.


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.

RET 5910 HPA-HP 3(3,0) Research Methods in Cardiopulmonary Physiology: Introduction to methods used in research and proceedings of radiology research. Literature review, experimentation, and data analysis. Occasional.

RMI 3011 BA-FIN 3(3,0) Principles of Risk and Insurance: PR: RET 3026C. Emphasis on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RET 3000 HPA-HP 3(3,0) Introduction to Radiologic Sciences: PR: RET 2500. Introduction to career field, radiation protection, principles and procedures of medical imaging and radiology therapy. Fall.

RET 3111C HPA-HP 2(1,5,1.5) Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.

RET 3116 HPA-HP 3(3,0) Advanced Patient Care: PR: RET 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

RET 3308 HPA-HP 3(3,0) Medical Physics: PR: RET 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RET 3418C HPA-HP 3(2.5,1.5) Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&S fee: $39.00.

RET 3457C HPA-HP 3(2,5,1.5) Principles of Radiographic Exposure II: PR: RET 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

RET 3503C HPA-HP 3(2,3) Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall.

RET 3513C HPA-HP 3(2,3) Radiographic Procedures II: PR: RET 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranial, and facial bones. Spring.

RET 3614 HPA-HP 2(0,2) Physics of Image Production: PR: College Physics I. Physics of diagnostic radiology includes radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

RET 3804L HPA-HP 2(0,8) Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

RET 3814L HPA-HP 4(0,16) Clinical Education II: PR: RET 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RET 4202 HPA-HP 3(3,0) Methods in Radiology Management: Concepts of radiology, department management, including principles of personnel management, patient care, equipment management, techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Occasional.

RET 4206 HPA-HP 3(3,0) Leadership in Radiological Sciences: PR: Happy field. The role of the radiologist, department management, personal and professional attributes, legal aspects, and JCAH quality assurance specifications. Spring.

RET 4209 HPA-HP 2(0,8) Radiological Administrative Practice: A directed practice in the management of a radiology department, with emphasis on policy making and implementation techniques. Spring. Occasional.

RET 4385 HPA-HP 1(0,1) Radiobiology: PR: RET 3308. A study of the effects of ionizing radiation on biological systems. The responses at the cellular and total organism level are investigated. Fall.

RET 4473 HPA-HP 3(3,0) Quality Improvement: PR: Registered technologist or Certified Radiologic Technologist. The study of quality improvement and quality control in the radiographic laboratory service. Spring.

RET 4563 HPA-HP 2(0,2) Special Radiographic Procedures: PR: RET 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchoscopy. Occasional.

RET 4573 HPA-HP 3(3,0) Advanced Imaging Modalities: PR: RET 3503C or C.I. A study of the principles and applications of computed tomography, digital imaging, interventional radiology, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

RET 4574 HPA-HP 1(1,0) 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.

RET 4579 HPA-HP 1(1,0) Magnetic Resonance Imaging Protocols: PR: Senior level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. Fall.

RET 4762 HPA-HP 3(3,0) Anatomy for the Medical Image: PR: ZOO 3730C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Spring.
UCF Courses and Descriptions

RTE 4782 HPA-HP 2(2,0)

RTE 4824L HPA-HP 5(2,0)
Clinical Education III: PR: RTE 3814L. Supervised clinical experience in radiographic/fluoroscopic procedures, with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

RTE 4834L HPA-HP 6(0,24)
Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Fall.

RTE 4846L HPA-HP 2(0,8)
Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.

RTE 4854L HPA-HP 4(0,16)
Advanced Clinical Practice: PR: RTE 4846L or RTE 4840L or Admission to AS to BS Transfer Program. Supervised practice in computed tomography, interventional radiology, cancer, computerized tomography, mammography, mammography, trans or pediatrics. Fall, Spring.

RTE 4803 HPA-HP 2(0,8)
Directed Study in Radiologic Education: PR: EVT 3707 or EDG 4233 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-COMM 3(3,0)

RTV 3007 COS-COMM 3(3,0)
Development and Structure of Electronic Media and New Technology: PR: SPC 1006 or 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.

RTV 3101 COS-COMM 3(1,2)

RTV 3200 COS-COMM 3(3,0)
Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Spring.

RTV 3210C COS-COMM 3(2,1)
Audio Production I: PR: RTV 3200 and RTV Major - Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3220C COS-COMM 3(3,1)
Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee: $30.00

RTV 3234C COS-COMM 3(2,1)
Broadcast Announcing and Performance: PR: RTV Major, Jr. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. Occasional. M&S fee: $15.00

RTV 3260C COS-COMM 4(1,3)
Single Camera Video Production and Editing: PR: RTV 3200 or RTV 3260C. Production Specialization or Broadcast Journalism Specialization. Technical 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: $30.00

RTV 3263C COS-COMM 3(2,1)
Advanced Video Post-Production: PR: RTV 3260C and C.I. Development of advanced post-production techniques for analog and digital video, including A/B time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 3301 COS-COMM 3(3,0)

RTV 3304 COS-COMM 3(3,0)
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - 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.

RTV 3942L COS-COMM 1-3(0-3)
Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3220C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded SU. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1)
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 composition. Students should expect significant work in the RTV facility outside of class. Fall, Even Spring. M&S fee: $30.00

RTV 4211C COS-COMM 3(3,1)
Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Odd Spring. M&S fee: $30.00

RTV 4271C COS-COMM 3(2,1)
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1)
Webcasting II: 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

RTV 4281C COS-COMM 3(2,1)
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

RTV 4320C COS-COMM 4(1,3)
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production focus on major language skills and emerging communication technologies, including digital media. Fall, Spring.

RTV 4403 COS-COMM 3(3,0)
Electronic Media, Technology, and Society: PR: or CR: RTV 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(2,1)
Sports Programming on Broadcast and Cable: PR: or CR: RTV 3304 and RTV Major. Practical experience in producing and directing sports events that determine how sporting events are constructed for programming on broadcast stations and cable systems. Occasional.

RTV 4505 COS-COMM 3(2,1)
Program Issues for TV & Motion Pictures: PR: RTV 3200 or FIL 2003 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. Odd Spring.

RTV 4700 COS-COMM 3(3,0)
Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0)
Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in stations operating at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: Introduces the student to Russian culture through major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,1)

RUS 2201 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0)
Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness of speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>RUS 3760</td>
<td>CAH-LANG Advanced Russian Oral Communication: PR: RUS 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. Occasional.</td>
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<tr>
<td>SCC 3311</td>
<td>HPA-CJ/LJS Security Administration: Discussion of modern security issues, intervention and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.</td>
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<tr>
<td>SCL 3310</td>
<td>ED-TLP Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&amp;S fee: $10.00</td>
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<tr>
<td>SCL 4304</td>
<td>ED-CFCS Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.</td>
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<td>SCL 5325</td>
<td>ED-TLP Science Instructional Analysis: PR: EDG 4520 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&amp;S fee: $8.00</td>
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<tr>
<td>SCL 4361</td>
<td>ED-TLP Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.</td>
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<tr>
<td>SCS 5325</td>
<td>ED-TLP Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. Occasional.</td>
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<tr>
<td>SCS 5337</td>
<td>ED-TLP Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary school 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.</td>
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<tr>
<td>SCS 5836</td>
<td>ED-TLP Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.</td>
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<tr>
<td>SLS 1501</td>
<td>ED-ES 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.</td>
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<tr>
<td>SLS 2261C</td>
<td>ED-ES Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.</td>
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<tr>
<td>SLS 2311C</td>
<td>COM&amp;M&amp;M Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.</td>
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</table>
SPM 4723 ED-CFCS 3(3,0)
Legal Issues in Sport and Fitness: PR: Admission to Sport and Fitness Program or C.I. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

SPM 5155 ED-CFCS 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-CFCS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: PR: SPN 1120C or equivalent. Introduces the student to Spanish through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120H 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 1121H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1120C 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: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

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 and 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 or equivalent. Focuses on modern Spanish culture using examples from present day society. Cultural visits 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, or equivalent. 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)

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 3234. 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 2201 or SPN 2240 or equivalent. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 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, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3852 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, history, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0)
Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of grammar when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.
AP Spanish Language: SPN 5920 CAH-LANG 3(3,0)
Syntactic properties. Historical development of phonetic, morphological, and characteristics of Latin and its evolution into Spanish with status or senior standing or C.I. An overview of linguistic to explore the universality of Spanish literature. Prize-Winning writers. Through readings, students will English translations of Spanish and Latin American Nobel—

Spanish Dialectology: SPN 5825 CAH-LANG 3(3,0)
An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

Spanish Lan... CAH-LANG 3(3,0)
AP Spanish Lan... CAH-LANG 3(3,0)
Introduction to fundamental actor’s technique and practice in Spanish. Short scenes will be performed in class. Occasional.


20th Century Spanish Novel: PR: SPW 3101 or SPW 3130 or C.I. Major figures of the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.


Contemporary Cuban Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Cuban theatre. Occasional.

Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th-century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

Study of Latin-American theatre/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.

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.

Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of textual and visual critical importance to the theory of genre. Occasional.

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.

Cervantes: PR: SPW 3101 or C.I. Don Quixote. Occasional.

The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

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.

Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.
STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2311. Introduction to probability and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies II: PR: STA 4133 (or old number STA 3133). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.


STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) 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(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, call and put options. Fall, Spring.

STA 4186 COS-STAT 3(3,0) Theory of Derivative Pricing: PR: STA 4183 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distribution Monte Carlo simulations, Brownian motion, interest rate models. Spring.


STA 4321 COS-STAT 3(3,0) Statistical Theory I: PR: STA 2023 or STA 3032. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.


STA 4502 COS-STAT 3(3,0) Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.


STA 4664 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Fall.


STA 4939 COS-STAT 3(3,0) 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 4942 COS-STAT 3(3,0) Practicum in Actuarial Science: PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.


STA 5103 COS-STAT 3(3,0) Advanced Computer Processing of Statistical Data: PR: STA 4163. Computer languages, statistical language, graduate status or senior standing. 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(3,0) Introduction to Nonparametric Statistical Methods and Distributions: PR: STA 4163, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact counting and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5176 COS-STAT 3(3,0) Biometry: PR: STA 2023. Graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biologically/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.

STA 5205 COS-STAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or STA 5505, and graduate status or senior standing. 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(3,0) 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(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Consider discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5646 COS-STAT 3(3,0) Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing or C.I. Individual risk rating and classification of risk for property/casualty insurance. Reinsurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. Occasional.

STA 5703 COS-STAT 3(3,0) Data Mining Methodology I: PR: STA 5003 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 COS-STAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations; sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

STA 5940 COS-STAT 1(1,0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Grad level. Occasional.

STA 5948 COS-STAT 3(3,0) Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.
SUR 2101C ECS-CECE (3,2,3)
Surveying: PR: MAC 2311 and Junior standing. Theory and field practices in surveying measurements and the reduction and adjustment of field data. Spring.

SUR 3324C ECS-ENT (3,0,1)
Digital Cartography: PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production. Occasional.

SUR 3331 ECS-ENT (3,0,0)
Photogrammetry: PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object space, stereoview and parallax, and topographic mapping. Occasional.

SUR 3530C ECS-ENT (3,2,2)
Geodetic Science: PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetic reference systems and earth models, state and local coordinates, astronomic observations, time systems, and satellite orbits. Spring.

SUR 3641 ECS-ENT (3,0,0)

SUR 4360C ECS-ENT (3,0,1)

SUR 4380 ECS-ENT (3,0,0)

SUR 4403 ECS-ENT (3,0,0)
Boundary Location: PR: ET 2350C or C.I. Professional boundaries, ethics, boundaries creation, property surveying and ownership, retrace surveys, evidence & preservation of evidence, easements, and role of surveyor in court. Occasional.

SUR 4420 ECS-ENT (3,0,0)

SUR 4463 ECS-ENT (3,0,0)
Land Subdivision and Platting: PR: SUR 4402. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geotechnical, and plat design specification. Occasional.

SUR 4531 ECS-ENT (3,0,0)

SYA 3110 COS-SOC (3,0,0)
Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3120 COS-SOC (3,0,0)
Contemporary Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.

SYA 3400C COS-SOC (4,3,1)
Applied Social Statistics: PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4112 COS-SOC (3,0,0)

SYA 4300C COS-SOC (4,3,2)
Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC (4,3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative methods and methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC (4,3,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced techniques in the statistical analysis of social science data. Emphasis on social data analysis, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC (3,2,2)

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 topics that currently dominate scholarly discourse, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYA 5652 COS-SOC (3,0,0)
Advanced Population: PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.

SYD 3410 COS-SOC (3,0,0)

SYD 3700 COS-SOC (3,0,0)
Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3750 COS-SOC (3,0,0)

SYD 3751 COS-SOC (3,0,0)
North American Indian Women Today: PR: SYA 2000 level social science course or C.I. Examination of works of modern North American Indian women within the context of sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.

SYD 3752 COS-SOC (3,0,0)
Modern Law in Indian Country: PR: SYA 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. Occasional.

SYD 3800 COS-SOC (3,0,0)
Sex and Gender in Society: PR: SYG 2000 or C.I. Theoretical and comparative sociological perspectives on the relationships between human behavior and the environment. Odd Spring.

SYD 4020 COS-SOC (3,0,0)

SYD 4510 COS-SOC (3,0,0)

SYD 4514 COS-SOC (3,0,0)

SYD 4810 COS-SOC (3,0,0)
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.

SYD 4813 COS-SOC (3,0,0)

SYD 5517 COS-SOC (3,0,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-SOC (3,0,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000 COS-SOC (3,0,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H COS-SOC (3,0,0)
General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-SOC (3,0,0)
Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.

SYG 3949 COS-SOC (0,0,8)

SYO 3000 COS-SOC (3,0,0)

SYO 3360 COS-SOC (3,0,0)
Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.
THE 2304 CAH-THEA 3(3,0)
Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 0(0,VAR)
Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3082 CAH-THEA 3(3,0)
ThetreCareers: PR: Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2920 or THE 2000. Techniques to secure employment in theatre and related fields. Occasional.

THE 3240 CAH-THEA 3(3,0)
Musical Theatre Survey: PR: Grade of C (2.0) or better required in THE 2000 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3272 CAH-THEA 3(3,0)

THE 3310 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature I: PR: Theatre major or minor, "C" (2.0) or better in THE 3304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.

THE 3327 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature II: PR: Theatre major or minor, "C" (2.0) or better in THE 3312 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.

THE 3331 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature III: PR: Theatre major or minor, "C" (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. Fall.

THE 3333 CAH-THEA 3(3,0)

THE 3383 CAH-THEA 3(3,0)

THE 4093L CAH-THEA 1(0,VAR)
Theatre Participation-Management II: PR: Theatre major or minor, "C" (2.0) or better in THE 2000L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 CAH-THEA 3(3,0)
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 4230 CAH-THEA 3(3,0)
Cultural Diversity in Theater: PR: "C" (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. Occasional.

THE 4244 CAH-THEA 3(3,0)
Musical Theatre History I: PR: BFA Musical Theatre major, C (2.0) or better required in THE 3312. History and evolution of Musical Theatre from the 1950s to the present.

THE 4245 CAH-THEA 3(3,0)
Musical Theatre History II: PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor I: PR: "C" (2.0) or better in THE 3312, THE 3313, and Sophomore standing. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in THE 3300 and THE 3313. Costumes, furniture and decor from the English Renaissance to the present. Fall.

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 THE 3312. Theatre activist’s impact on theatrical art forms. Occasional.

THE 4954 CAH-THEA 0(0,0)

THE 5205 CAH-THEA 3(3,0)

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 1960s. Fall.

THE 5279C CAH-THEA 1(1,1)
Musical Theatre Lab: PR: TTP 5107C. Practical course in developing musical theatre skills for the actor. Fall.

THE 5288 CAH-THEA 3(3,0)
Period Costumes, Architecture and Decor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor 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 5901 CAH-THEA 3(3,0)
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, techniques, and experimental forms. Fall.

THE 5945L CAH-THEA 1(2,0)
Theatre Practicum I: PR: Grade status or C.I. A laboratory course designed to develop students' practical working knowledge in Theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2)
Theatre Design Basics: PR: BFA Design/Technology or BFA Design and Technology or Stage Management major. Examination of performance in THE 2000 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.

TPA 2010C CAH-THEA 3(2,2)
Scenography: PR: "C" (2.0) or better in TPA 2000C and BFA Design/Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.

TPA 2071C CAH-THEA 3(2,2)
Theatre Rendering: PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2201 CAH-THEA 2(0,0)

TPA 2201L CAH-THEA 1(0,6)

TPA 2210L CAH-THEA 1(0,6)
Stagecraft I Lab: PR: or CR: "C" (2.0) or better in TPA 2210. Practical projects in scenic and property construction. Occasional. M&S fee: $45.00

TPA 2211L CAH-THEA 1(0,6)
Stagecraft I Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L. Development of scenic and property construction. Occasional. M&S fee: $15.00

TPA 2220C CAH-THEA 3(2,2)

TPA 2222C CAH-THEA 3(2,2)

TPA 2230C CAH-THEA 3(2,2)

TPA 2248C CAH-THEA 3(2,2)
Makeup Techniques: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&S fee: $15.00

TPA 2290L CAH-THEA 1(0,VAR)
Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall.

TPA 2300C CAH-THEA 3(3,0)
Stage Management Basics: PR: "C" (2.0) or better in THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including lighting and sound equipment. Fall, Spring. M&S fee: $29.50

TPA 2304C CAH-THEA 3(2,2)
Costume Design for Theatre I: PR: "C" (2.0) or better in TPA 2000C. Projects in the fundamentals of costume design for the stage. Fall.
UCF Courses and Descriptions
TPA 3077C
CAH-THEA
3(2,2)
Scene Painting: PR: “C” (2.0) or better in TPA 2000C
and TPA 2071C. Projects in scene painting techniques. Fall.
M&S fee: $45.00
TPA 3195L
CAH-THEA
3(0,VAR)
Summer Theatre Studio/Tech/Design I: PR:
Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts
produced on UCF mainstage. May be repeated for credit.
Occasional. M&S fee: $20.00
TPA 3197L
CAH-THEA
3(0,VAR)
Summer Theatre Studio/Tech/Design II: PR:
Departmental consent by audition or interview. Continuation
of TPA 3195L. May be repeated for credit. Occasional.
M&S fee: $20.00
TPA 3221C
CAH-THEA
3(2,2)
Lighting Design for Theatre I: PR: “C” (2.0) or
better in TPA 2010C and TPA 2220C. Projects in the
fundamentals of lighting design for the stage. Spring. M&S
fee: $37.00
TPA 3249C
CAH-THEA
2(2,2)
Advanced Makeup Techniques: PR: “C” (2.0) or
better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics
and masks. Occasional. M&S fee: $45.00
TPA 3260C
CAH-THEA
3(2,2)
Sound Design for Theatre I: PR: “C” (2.0) or better
in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.
TPA 3383C
CAH-THEA
2(2,4)
Topics in Technical Theatre: PR: TPA 2230C.
Techniques used in the production of scenery or costumes
for the stage. Variable Topics. May be used in the degree
program a maximum of 5 times. Occasional. M&S fee:
$35.00
TPA 3601
CAH-THEA
3(3,0)
Stage Management: PR: “C” (2.0) or better in TPA
2600. Responsibilities of the stage manager prior to, during,
and after performance as related to Departmental productions as well as professional union requirements. Fall.
TPA 4041C
CAH-THEA
3(2,2)
Costume Design for Theatre II: PR: “C” (2.0) or
better in TPA 3040C. A continuation of TPA 3040C. Spring.
TPA 4061C
CAH-THEA
3(2,2)
Scenic Design for Theatre II: PR: “C” (2.0) or better
in TPA 3060C. Project scene design work with an emphasis
on design visualization, communication and professional
standards and practices. Spring. M&S fee: $37.00
TPA 4066C
CAH-THEA
2(2,2)
Advanced Scenography: PR: TPA 3060C, TPA
3040C, TPA 3260C, or TPA 3221C. 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 3221C. 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: “C” (2.0) or better in TPA 2211
and TPA 2211L. Computer-aided drafting and design and its
application for Theatre. Fall. 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: $38.75
TPA 4264C
CAH-THEA
3(2,2)
Sound Design for Theatre II: PR: “C” (2.0) or better
in TPA 3260C. Project sound design work with an emphasis
on design communication and professional standards and
practices. Occasional.

TPA 4293L
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: $15.00
TPA 4384C
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 2000 or THE 2020. 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 3601.
Skills necessary for stage managers in contemporary
entertainment. Fall.
TPA 5029C
CAH-THEA
3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA
5062C. Advanced work in the process of designing light for
the stage with an emphasis on the use of light as artistic
expression. Occasional.
TPA 5042C
CAH-THEA
3(2,2)
Costume Design Studio: PR: Admission to the
graduate program in Theatre or C.I. Project oriented course
in the advance study of Costume Design. Occasional.
TPA 5062C
CAH-THEA
3(2,2)
Scene Design Studio: PR: Graduate status or C.I.
Advanced work in the conceptualization and communication
of scenic designs for the theatre. Spring.
TPA 5081C
CAH-THEA
3(3,3)
Design Concepts for Youth Theatre: PR:
Admission to the graduate program in Theatre or C.I. A
study of design elements (lighting, costume, set) as they
apply to youth theatre. Odd Spring.
TPA 5085C
CAH-THEA
2(2,2)
Design Seminar for Theatre: PR: Admission into
Theatre MFA Design track. Scenic, costume, lighting and
sound design for theatre. Occasional.
TPA 5095C
CAH-THEA
1(1,1)
Rendering for Theatre I: PR: Admission to the
graduate program in Theatre or C.I. Traditional visual
communication skills necessary for scenic, costume, and
lighting design. Fall.
TPA 5175C
CAH-THEA
1(1,1)
Rendering for Theatre II: PR: TPA 5095C. Software
and technology available for visual communication and
documentation. Spring.
TPA 5345C
CAH-THEA
2(2,2)
2D Computer Assisted Design for Theatre:
PR: Admission into the Theatre MFA Design track. TwoDimensional computer drafting and editing techniques
applicable to theatre design. Occasional.
TPA 5346C
CAH-THEA
2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Threedimensional computer modeling and editing techniques
applicable for theatre design. Occasional.
TPA 5405
CAH-THEA
3(3,0)
Theatre Management for Non-Majors: PR: THE
2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with
special attention to the principles of management to include
management skills/function and organizational systems/
performance as they relate to theatre organizations/institutions. Fall.

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TPA 5885C
CAH-THEA
2(2,2)
Puppetry: PR: Admission to MFA graduate program or
C.I. Puppetry as an art form in design and performance.
Odd Spring. M&S fee: $30.00
TPA 5946C
CAH-THEA
1(0,20)
Design Practicum I: PR: Admission into the MFA
Design program. Practical experience as a member of the
production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.
TPA 5949C
CAH-THEA
1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the
practical application of Properties and/or Design for the
Theatre. Occasional.
TPP 2101
CAH-THEA
3(3,0)
Fundamentals of Acting: PR: BA Theatre Studies
major, BFA Design & Technology major, BFA Stage
Management major or Theatre minor. Development of
imagination, self-awareness and the ability to execute basic
stage tasks. Fall, Spring.
TPP 2110C
CAH-THEA
3(2,2)
Acting I - Introduction: PR: B.F.A. Theatre major,
C (2.0) or better required in THE 2020 or THE 2000.
Development of imagination, self-awareness, and the ability
to execute basic stage tasks. Fall, Spring.
TPP 2170C
CAH-THEA
3(2,2)
Acting II -The Actor Prepares: PR: “C” (2.0) or
better in TPP 2110C. Fundamental techniques to acting,
with emphasis on characterization and character development. Fall, Spring.
TPP 2185
CAH-THEA
3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.
TPP 2190L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance I: PR:
Theatre major or minor or department consent. Participation
in UCF Theatre productions. May be repeated for credit 8
times. Fall, Spring. M&S fee: $15.00
TPP 2260
CAH-FILM
3(3,0)
Acting for Film: PR: Film Majors. An introduction to
acting for the camera. Occasional.
TPP 2700C
CAH-THEA
3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor
and C (2.0) or better in THE 2000 or THE 2020. Practical
stage voice as it applies to performance. Credit cannot be
applied towards BFA acting and musical theatre majors.
Fall.
TPP 2710C
CAH-THEA
2(2,1)
Voice Production I: PR: BFA acting major. Lessac,
Skinner, phonetics, and the vocal apparatus. Fall.
TPP 3103
CAH-THEA
3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major,
BFA Design & Technology major, BFA Stage Management
major or Theatre minor and “C” (2.0) or better in TPP 2101.
Practice and execution of scene work, monologue work, and
exercises. Fall, Spring.
TPP 3172C
CAH-THEA
3(2,2)
Acting III - Building the Character: PR: Grade
of C (2.0) or better required in TPP 2170C. Reinforcement
of acting techniques begun in Acting II, with emphasis on
characterization and character development. Spring.
TPP 3197L
CAH-THEA
3(0,VAR)
Summer Theatre/Performance: PR: Audition/
Interview or departmental consent. Production assignments
and responsibilities during the rehearsals/performances of
play scripts produced on the UCF mainstage. May be used
in the degree program a maximum of 8 times. Occasional.
M&S fee: $20.00
TPP 3250
CAH-THEA
3(2,2)
Musical Theatre Acting I: PR: B.F.A. Musical
Theatre major, and C (2.0) or better required in TPP 2110C.
Practical acting techniques with solo musical theatre repertoire. Fall.

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UCF Courses and Descriptions
TPP 3252
CAH-THEA
3(3,0)
Musical Theatre Acting II: PR: B.F.A. Musical
Theatre major, and C (2.0) or better in TPP 3250. Practical
acting technique as it applies to musical theatre scene
study. 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. Spring.

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 3257C
CAH-THEA
2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre
or BFA Acting major, and “C”(2.0) or better in THE 2020.
Craft of singing including anatomy, physiology, and diction
utilizing musical theatre repertoire. Spring.

TPP 4243C
CAH-THEA
2(2,2)
Circus Arts: PR: Theatre major or minor; “C” (2.0) or
better in TPP 2101 or TPP 2110C and THE 2000 or THE
2020. Circus history and introduction to a wide range of
circus skills. Occasional.

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 3258C
CAH-THEA
2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre
major, and C (2.0) or better in TPP 3257C. Artistry of singing
including function of music and lyrics, and problems in song
interpretation utilizing musical theatre repertoire. Fall.

TPP 4244
CAH-THEA
3(2,2)
The Art of Storytelling: PR: Theatre major or minor;
“C” (2.0) or better in TPP 2101 or TPP 2110C and THE 2000
or THE 2020. Application of theatrical storytelling as an art
form. Occasional.

TPP 5156C
CAH-THEA
3(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 3264C
CAH-THEA
3(3,2)
Acting on Camera: PR: BA Theatre Major; a “C” (2.0)
or better in TPP 2101, TPP 3103, and THE 2020. Preparing
the actor for professional work in the TV/Film industry.
Occasional.

TPP 4253C
CAH-THEA
3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical
Theatre major, and a “C” (2.0) or better in TPP 3252
and TPP 3258C. Advanced work in cabaret/one-person
construction and performance with an emphasis on show
preparation. Occasional.

TPP 5157C
CAH-THEA
3(2,2)
Acting Studio II: PR: TPP 5156C. Advanced scene
study course applying acting methodologies to the works of
modern (1850-) European playwrights with emphasis on the
works of Ibsen/Chekhov/Shaw. Spring.

TPP 3310C
CAH-THEA
3(2,2)
Directing for Theatre I: PR: Theatre majors, Junior
Standing, and C (2.0) or better required in THE 3312.
Principles and techniques of play direction to include
script selection, directorial analysis, casting, composition/
picturization, blocking, tempo, and rehearsal planning.
Fall, Spring.

TPP 4259C
CAH-THEA
2(2,2)
Musical Theatre Voice III: PR: “C” (2.0) or better in
TPP 3258C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized
instruction. Spring.

TPP 3510C
CAH-THEA
2(2,1)
Movement for the Actor I: PR: BFA Acting Major.
Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more
expressive body. Fall.
TPP 3513C
CAH-THEA
2(2,1)
Movement for the Actor II: PR: C (2.0) or better
in TPP 3510C. Reinforcement of the techniques of TPP
3510C. Fall.
TPP 3711C
CAH-THEA
2(2,1)
Voice Production II: PR: “C” (2.0) or better in TPP
2710C. Reinforcing stage voice awareness introduced in
TPP 2710C, focusing on a physical approach to acting
texts. Spring.
TPP 3712C
CAH-THEA
2(2,1)
Voice Production III: PR: “C” (2.0) or better in TPP
3711C. Emphasis on study of Shakespearean and heightened language. Fall.
TPP 3952L
CAH-THEA
3(0,VAR)
Summer Studio Performance: PR: Audition/
Interview or departmental consent. Participation in UCF
Theatre productions. May be used in the degree program a
maximum of 8 times. Occasional. M&S fee: $20.00
TPP 4140C
CAH-THEA
3(2,2)
Acting IV - Creating the Role: PR: “C” (2.0) or better in TPP 3172C. Continued exploration and application of
acting techniques through scene study. Fall.
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 4140C. An advanced and comprehensive view of acting styles. Occasional.
TPP 4193L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance II: PR:
Theatre major or minor and “C” (2.0) or better in TPP
2190L. Participation in UCF Theatre productions. May be
used in the degree program a maximum of 8 times. Fall,
Spring. M&S fee: $15.00
TPP 4221
CAH-THEA
3(3,0)
Auditioning: PR: “C” (2.0) or better in TPP 2170C.
Selecting monologues, auditioning techniques and cold
readings. Spring.

TPP 4265C
CAH-THEA
3(3,2)
Camera Acting: PR: “C” (2.0) or better in TPP 4142C.
Application of previous acting training to the TV/Film
medium. Occasional.
TPP 4268C
CAH-THEA
3(3,2)
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)
Music 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)
Music Theatre Voice VI: PR: “C” (2.0) or better in
TPP 4270C. Continuation of TPP 4270C and its application
to music theatre performance. Individualized instruction.
Fall.

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 graduate program or C.I. Application
of storytelling as an art form. Spring.
TPP 5273
CAH-THEA
2(2,0)
Musical Theatre Acting I: PR: TPP 5157C.
Integrated study in musical theatre acting, singing and
movement applied to musical theatre performance, direction
and choreography; emphasizing developing skills in textual
and musical interpretation. Occasional.
TPP 5289C
CAH-THEA
2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even
Fall.
TPP 5386C
CAH-THEA
3(3,3)
Directing for Young Audiences: PR: THE 5910
and THE 5385. Study of the principles, procedures, and
practices of stage direction as it applies to theatre for young
audiences. Odd Spring.

TPP 4311C
CAH-THEA
3(2,2)
Advanced Directing for Theatre: PR: “B” (3.0) or
better grade in TPP 3310C. Practical experience directing
class scenes and projects. Spring.

TPP 5515
CAH-THEA
2(2,0)
Movement Studio I: 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 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 5516C
CAH-THEA
2(2,1)
Movement Studio II: PR: TPP 5515 or C.I. Principles
and methods of movement for the stage focusing on gaining
specific knowledge and skills in period styles of movement
and basic unarmed combat. Spring.

TPP 4531C
CAH-THEA
2(2,1)
Period Movement: PR: Grade of C (2.0) or better
required in TPP 3172C. Continuation of Movement/Dance
work. Emphasis given to period styles. Fall.

TPP 5554C
CAH-THEA
2(2,4)
Musical Theatre Dance I: PR: MFA Musical Theatre
Majors. Advanced dance study with particular emphasis on
the development of principles of alignment, coordination,
isolation, and sequencing. Fall.

TPP 4730C
CAH-THEA
2(2,1)
Dialects: PR: Grade of “C” (2.0) or better required in TPP
3711C. Analysis of dialects and regionalisms, reinforcing
the study of phonetics, placement, and vocal apparatus.
Occasional.
TPP 4746C
CAH-THEA
2(2,2)
Musical Theatre Repertoire: PR: Theatre major and
grade of “C” (2.0) or better in TPP 3257C. Advanced musical theatre repertoire study in preparation for professional
auditions. Occasional.
TPP 4923C
CAH-THEA
2(2,2)
Musical Theatre Voice IV: PR: “C” (2.0) or better in
TPP 4259C. Continuation of diagnosis and development
of the singing voice using patter song, in-context and outof-context presentation, stylization utilizing musical theatre
repertoire. Individualized instruction. Fall.

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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 all Linklater work, and introduction to the work of Arthur Lessac. Spring.

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3713C</td>
<td>COS-BIOL</td>
<td>Comparative Vertebrate Anatomy</td>
<td>PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&amp;S fee: $35.00</td>
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</tr>
<tr>
<td>ZOO 3733H</td>
<td>COM-M&amp;M</td>
<td>Honors Human Anatomy</td>
<td>PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 3744</td>
<td>COM-M&amp;M</td>
<td>Neurobiology</td>
<td>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.</td>
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</tr>
<tr>
<td>ZOO 4050C</td>
<td>COM-BIOL</td>
<td>Biology and Ecology of Metazoan Invertebrates</td>
<td>PR: BSC 2010C, BSC 2011C, PCB 3044 or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acel- lous, pseudocoelous, schizocoelous, and enterocoelous invertebrates. Occasional. M&amp;S fee: $34.00</td>
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<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>Comparative Vertebrate Anatomy</td>
<td>PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&amp;S fee: $35.00</td>
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<tr>
<td>ZOO 4704C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3733C with a B (3.0) or better. Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
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<tr>
<td>ZOO 4704H</td>
<td>COM-M&amp;M</td>
<td>Honors Clinical Neuroanatomy</td>
<td>PR: ZOO 3733C and Honors consent. Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
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<tr>
<td>ZOO 4747C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 4748C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.</td>
<td></td>
</tr>
<tr>
<td>ZOO 5748C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.</td>
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<tr>
<td>ZOO 5749C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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</tr>
<tr>
<td>ZOO 5745C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroethology</td>
<td>PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 5881C</td>
<td>COS-BIOL</td>
<td>Fisheries Management</td>
<td>PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&amp;S fee: $20.00</td>
<td></td>
</tr>
</tbody>
</table>
UNIVERSITY FACULTY

The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI, Assistant Professor of Art (1996), B.F.A., M.F.A. (Wichita State University)

ABDALLAH, NAZIH, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)

ABDELLATY, MOHAMED, Professor of Engineering, Graduate Program Director (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)

ABRAMAH, CHARLIE, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Mississippi)

ADAMS, JOANNE, Visiting Associate Professor of Digital Media (2008), B.F.A, M.F.A. (University of Florida)

ADAMS, KENNETH, Professor of Public Affairs (2003), Ph.D. (State University of New York at Albany)


AHANGARI, RAHELEH, Instructor (2007), M.D. (Carol Davila University of Medicine and Pharmacy), Ph.D. (University of Salmarnica)


AHERN, NANCY, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AKITA, KIMIKO, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HATHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

ALABI, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBERS-BIDDLE, JUNIE, Instructor of Education (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University)

ALEXANDER-SNOW, MIA, Assistant Professor of Education (2009), B.A., M.Ed., Ph.D. (Vanderbilt University)

ALLEN, DARRYL E., Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (George Washington University)

ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1993), B.S., M.Ed., Ph.D. (University of South Carolina)

ALGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)

ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)

ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALTO, BARE DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M.A., Ph.D. (University of Illinois at Urbana-Champaign)

AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)

AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)

ANDERSON, RANDY, I., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)

ANDREASEN, JANET, Visiting Assistant Professor of Education (2005), B.S., M.A., Ed.D. (University of Central Florida)

ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida)

ANGELOPOULOS, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)


APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S. (University of Cincinnati)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARK, PAMELA, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Tennessee, Memphis)

ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (The George Washington University)

ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., M.B.A., Ph.D. (University of Kentucky)

ARONCHAK, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2008), B.S., M.L.S., M.P.A. (Old Dominion University)

ASHLEY, ROBERT A, Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.E.C., C.E.)

ATKINSON, TOM, Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AZMI, CYRUS, Lecturer of Psychology (2006), B.A., M. A., Ph.D. (Michigan State University)

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TUCKER, RICHARD D., Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)

TZannes, NICOLaoS S., Professor Emeritus of Engineering (1986), B.E.E. M.E.E., Ph.D. (Johns Hopkins University)

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WHISLER, BRUCE A., Associate Professor Emeritus of Music (1971), B.A., Ph.D. (University of Rochester)

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WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)

WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.A., M.S., Ph.D. (Florida State University)

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ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), PSP, M.S., Ph.D. (University of Central Florida)

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

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BAKER, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)

BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1996), Ph.D. (State University of New York at Stony Brook)

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FULLERTON, STUART, Biological Research Associate (1993), B.S. (University of Central Florida)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
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<tr>
<td>Hickman, James</td>
<td>Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)</td>
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<td>Kimcaid, J. Peter</td>
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<td>Kuchma, Melissa</td>
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<td>Kyle, Tiffany Linkovich</td>
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<td>Lail, Brian A.</td>
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<td>Lee, Haejung</td>
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<td>Leli, Dano</td>
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<td>Lieuenberger, Michael N.</td>
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<th>Name</th>
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<tr>
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UCF Administrative Officers and Staff


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<th>Date</th>
<th>Name</th>
<th>Degree</th>
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<tr>
<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
<td>May 1993, Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<tr>
<td></td>
<td>Howard Phillips, Doctor of Public Service</td>
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<tr>
<td>December 1981</td>
<td>Gene Burns, Master of Letters</td>
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<tr>
<td></td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2001, Richard M. Karp, Doctor of Science</td>
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<td></td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<tr>
<td></td>
<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>
<td>May 2002, Joseph F. Traub, Doctor of Science</td>
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<tr>
<td>November 1982</td>
<td>James Hard, Doctor of Science</td>
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<td>July 1984</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
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<td>December 1984</td>
<td>Charles Wadsworth, Doctor of Public Service</td>
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<td>May 1985</td>
<td>Allan E. Gotieb, Doctor of Laws</td>
<td>December 2002, Robert E. Kahn, Doctor of Science</td>
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<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>December 2004, G. Vince Amico, Doctor of Science</td>
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<td>Jerry Collins, Doctor of Public Service</td>
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<td>May 1989</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<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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<tr>
<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<tr>
<td></td>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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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.

AEP: Academic Exploration Program to assist undecided students.

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).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

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

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COPHA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COPHA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

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 (C) 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.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory Information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and 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 per-manent 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.

E-mail: 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.

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 have completed fewer than 12 semester hours and 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 Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: 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.

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 records, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/add and add courses each term; withdraw from courses by the grade earned in the course of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

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, 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 eleven 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.

TBHC: The Burnett Honors College

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 Osceola, 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.

Web Enrollment Guide: online at http://registrar.ucf.edu/egui. 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 withdrawal 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.
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