The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

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

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

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

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

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

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

Cordially yours,

John C. Hitt
President
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## Universities Administration

### Office of the Vice President for Research & Commercialization

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Vice President, Research &amp; Commercialization</td>
<td>M.J. Solleau</td>
</tr>
<tr>
<td>Associate Vice President, Research &amp; Commercialization</td>
<td>Tom O'Neal</td>
</tr>
<tr>
<td>Assistant Vice President, Research &amp; Commercialization</td>
<td>Debra Reinhart</td>
</tr>
<tr>
<td>Assistant Vice President, Research &amp; Commercialization</td>
<td>Pallavoor N. Vaidyathan</td>
</tr>
<tr>
<td>Director, Marketing and Communications</td>
<td>Barbara Abney</td>
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### Office of the Vice Provost and Dean of Graduate Studies

<table>
<thead>
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<th>Position</th>
<th>Name</th>
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<tbody>
<tr>
<td>Vice Provost and Dean, Graduate Studies</td>
<td>C. Ross Hinkle</td>
</tr>
<tr>
<td>Associate Dean, Financial Support</td>
<td>Jana Jasinski</td>
</tr>
<tr>
<td>Assistant Dean, Graduate Studies</td>
<td>Tracy R. Jones</td>
</tr>
<tr>
<td>Director, Office of Communications</td>
<td>Debra Winter</td>
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<tr>
<td>Director, Office of Graduate Admissions</td>
<td>Barbara Rodriguez</td>
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### Office of the Vice Provost for Regional Campuses Administration

<table>
<thead>
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<th>Position</th>
<th>Name</th>
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<tr>
<td>Vice Provost, Regional Campuses</td>
<td>J. Jeffrey Jones</td>
</tr>
<tr>
<td>Associate Vice President, Administrative Affairs</td>
<td>David Laney</td>
</tr>
<tr>
<td>Associate Vice President, Regional Campuses</td>
<td>Angela Peterson</td>
</tr>
<tr>
<td>and Enrollment Services, Marketing and Outreach</td>
<td>Lauren Miller</td>
</tr>
<tr>
<td>Associate Vice President, UCF Cocoa and Palm Bay</td>
<td>David J. Meador</td>
</tr>
<tr>
<td>Assistant Vice President, UCF Daytona</td>
<td>Linda Bradley-Thacker</td>
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<tr>
<td>Assistant Vice President, UCF South Lake, Ocala and Leesburg</td>
<td>Cecelia H. Rivers</td>
</tr>
<tr>
<td>Assistant Vice Provost, UCF Valencia West and Osceola</td>
<td>Kimberly Hardy</td>
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<tr>
<td>Assistant Vice Provost, Regional Campuses Student Services &amp; Advising</td>
<td>Pam Cavanaugh</td>
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### Office of the Vice Provost for Teaching and Learning and Dean of Undergraduate Studies

<table>
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<th>Position</th>
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<tbody>
<tr>
<td>Interim Provost and Dean</td>
<td>Manoj Chopra</td>
</tr>
<tr>
<td>Interim Associate Dean and Director, Academic Services</td>
<td>Heath Martin</td>
</tr>
<tr>
<td>Director, Academic Advancement Programs</td>
<td>Michael Aftandenti-Jeffries</td>
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<tr>
<td>Director of the DCEL Program</td>
<td>Melissa Bagley</td>
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<tr>
<td>Executive Director, Faculty Center for Teaching and Learning</td>
<td>Melody Bowden</td>
</tr>
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<td>Interim Director, Office of Experiential Learning</td>
<td>J. Usaic</td>
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<td>Interim Director, Office of Interdisciplinary Studies</td>
<td>Elliot Vittes</td>
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<tr>
<td>Interim Director, Office of Pre-Health and Pre-Law Advising</td>
<td>Manoj Chopra</td>
</tr>
<tr>
<td>Director, College of Undergraduate Research</td>
<td>Kimberly Schneider</td>
</tr>
<tr>
<td>Director, The Quality Enhancement Plan Office</td>
<td>TBA</td>
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### Colleges, Schools, and Departments

#### Burnett Honors College

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<tbody>
<tr>
<td>Dean</td>
<td>Alvin Wang</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Martin Dupuis</td>
</tr>
<tr>
<td>Director, Advising</td>
<td>Rex Roberts</td>
</tr>
<tr>
<td>Director, Budget and Personnel</td>
<td>Lesanne Brunswick</td>
</tr>
<tr>
<td>Director, Information Systems</td>
<td>Michael T. Callahan</td>
</tr>
<tr>
<td>Director, Prestigious Awards</td>
<td>Morgan Bauer</td>
</tr>
<tr>
<td>Director, Research and Instructional Graduate Engagements</td>
<td>Kelly Asto</td>
</tr>
<tr>
<td>Director, Student Services</td>
<td>Madi Dogaru</td>
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#### College of Arts and Humanities

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<tbody>
<tr>
<td>Dean</td>
<td>José Fernández</td>
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<tr>
<td>Associate Dean</td>
<td>Lynn Hepner</td>
</tr>
<tr>
<td>Assistant Dean</td>
<td>Rudy McDaniel</td>
</tr>
<tr>
<td>Assistant Dean</td>
<td>Nancy Stanlick</td>
</tr>
<tr>
<td>Director, CAH Student Advising (CAHSA)</td>
<td>Della Garcia</td>
</tr>
<tr>
<td>Director, School of Performing Arts</td>
<td>Jeffrey Moore</td>
</tr>
<tr>
<td>Director, School of Visual Arts and Design</td>
<td>Byron Clercx</td>
</tr>
<tr>
<td>Chair, English</td>
<td>Patrick Murphy</td>
</tr>
<tr>
<td>Chair, English</td>
<td>John Sacher</td>
</tr>
<tr>
<td>Interim Chair, Modern Languages and Literatures</td>
<td>Humberto Lopez</td>
</tr>
<tr>
<td>Chair, Philosophy</td>
<td>Michael Strawser</td>
</tr>
<tr>
<td>Chair, Writing and Rhetoric</td>
<td>Elizabeth Wardle</td>
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#### College of Business Administration

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<td>Paul Jarley</td>
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<tr>
<td>Associate Dean</td>
<td>Foard Jones</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>E. Taylor Ellis</td>
</tr>
<tr>
<td>Assistant Dean</td>
<td>Lynn Becker</td>
</tr>
<tr>
<td>Director, Kenneth G. Dixon School of Accounting</td>
<td>Sean M. Robb</td>
</tr>
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<td>Interim Chair and Director, Finance</td>
<td>Dr. P. Phillips School of Real Estate</td>
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<tr>
<td>Chair, Economics</td>
<td>Mark Dickie</td>
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<td>Chair, Management</td>
<td>Steven Goodman</td>
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<td>Chair, Marketing</td>
<td>Ronald E. Michaels</td>
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#### College of Education and Human Performance

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean</td>
<td>Pamela S. Carroll</td>
</tr>
<tr>
<td>Interim Associate Dean, Academic Affairs</td>
<td>Rose Taylor</td>
</tr>
<tr>
<td>Associate Dean, Administrative and Financial Affairs</td>
<td>Allen Jefferson</td>
</tr>
<tr>
<td>Interim Executive Director, Research</td>
<td>J. Thomas Owens</td>
</tr>
<tr>
<td>Executive Director, Office of Undergraduate Affairs and Partnerships</td>
<td>Bryan J. Hunter</td>
</tr>
<tr>
<td>Director of Scholarship Development Program</td>
<td>Michael A. Paterno</td>
</tr>
<tr>
<td>Chair, Child, Family, and Community Sciences</td>
<td>Glenn Lambie</td>
</tr>
<tr>
<td>Chair, Educational and Human Services</td>
<td>Jay R. Hoffman</td>
</tr>
</tbody>
</table>

#### College of Engineering and Computer Science

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean</td>
<td>Michael Georgiopoulos</td>
</tr>
<tr>
<td>Associate Dean, Academic Affairs and</td>
<td>Charles Reilly</td>
</tr>
<tr>
<td>Director, College Honors Programs</td>
<td>Ranganathan Kumar</td>
</tr>
<tr>
<td>Director, Academic Affairs</td>
<td>Kim A. Small</td>
</tr>
<tr>
<td>Associate Dean, Civil, Environmental and</td>
<td>Oli Naidi</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Michael Abadzic</td>
</tr>
<tr>
<td>Chair, Electrical and Computer Engineering</td>
<td>Gary J. Leavens</td>
</tr>
<tr>
<td>Chair, Mechanical and Aerospace Engineering</td>
<td>Huihui Yu</td>
</tr>
<tr>
<td>Chair, Army ROTC (Military Science)</td>
<td>LTC Mario Johnson</td>
</tr>
</tbody>
</table>

#### College of Health and Public Affairs

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean</td>
<td>Michael L. Fruminik</td>
</tr>
<tr>
<td>Associate Dean, Academic Affairs and Technology</td>
<td>Ross W. Wolf</td>
</tr>
<tr>
<td>Director, School of Public Administration</td>
<td>Mary Ann Feldheim</td>
</tr>
<tr>
<td>Chair, School of Social Work</td>
<td>Bonnie Yegidis</td>
</tr>
<tr>
<td>Chair, Undergraduate Student Services</td>
<td>Mariangely Rente</td>
</tr>
<tr>
<td>Chair, Communication Sciences and Disorders</td>
<td>Richard Zlock</td>
</tr>
<tr>
<td>Interim Chair, Criminal Justice</td>
<td>Alexander S. Letter</td>
</tr>
<tr>
<td>Interim Chair, Health Management and Informatics</td>
<td>Reid Oetjen</td>
</tr>
<tr>
<td>Chair, Health Education</td>
<td>Kristen Schellhas</td>
</tr>
</tbody>
</table>

#### College of Medicine

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vice-President for Medical Affairs and Dean</td>
<td>Deborah C. German</td>
</tr>
<tr>
<td>Associate Dean, Clinical Affairs (Interim)</td>
<td>Edward Ross</td>
</tr>
<tr>
<td>Associate Dean, Faculty and Academic Affairs</td>
<td>Richard Pepler</td>
</tr>
<tr>
<td>Associate Dean, Research</td>
<td>Thomas Wan</td>
</tr>
<tr>
<td>Chair, Army ROTC (Military Science)</td>
<td>Edward Ross</td>
</tr>
<tr>
<td>Chair, College of Medicine</td>
<td>Juan Cendan</td>
</tr>
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</table>

#### College of Nursing

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Interim Chair</td>
<td>May Lou Sole</td>
</tr>
<tr>
<td>Associate Dean, Undergraduate Affairs</td>
<td>Maureen M. Covelli</td>
</tr>
<tr>
<td>Associate Dean, Graduate Affairs</td>
<td>Susan Chase</td>
</tr>
</tbody>
</table>

#### College of Optics and Photonics

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Dean and Director</td>
<td>Bahaia Saleh</td>
</tr>
<tr>
<td>Associate Dean, Academic Affairs</td>
<td>David J. Hagan</td>
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</table>

#### College of Sciences

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<tbody>
<tr>
<td>Dean</td>
<td>Michael Johnson</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Arlen F. Chase</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Terry A. Manley</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Cynthia Young</td>
</tr>
<tr>
<td>Director, Nicholson School of Communication</td>
<td>TBA</td>
</tr>
<tr>
<td>Chair, Anthropology</td>
<td>Lee Anne Kirkpatrick</td>
</tr>
<tr>
<td>Chair, Anthropology</td>
<td>J. Lee Kirkpatrick</td>
</tr>
<tr>
<td>Chair, Biology</td>
<td>Graham Worthy</td>
</tr>
<tr>
<td>Chair, Chemistry</td>
<td>Cherle Yestrebsky</td>
</tr>
<tr>
<td>Chair, Mathematics</td>
<td>Talat Rahman</td>
</tr>
<tr>
<td>Chair, Political Science</td>
<td>Kerstin Hamann</td>
</tr>
<tr>
<td>Chair, Psychology</td>
<td>Jeffrey Cassisi</td>
</tr>
<tr>
<td>Chair, Sociology</td>
<td>Elizabeth A. Boone</td>
</tr>
<tr>
<td>Chair, Statistics</td>
<td>David M. Nickerson</td>
</tr>
</tbody>
</table>

#### Rosen College of Hospitality Management

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean</td>
<td>Abraham Pizam</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Youcheng Wang</td>
</tr>
</tbody>
</table>
# 2015 SUMMER ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
</tr>
<tr>
<td>Without Deadline</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Online Intent to Graduate Form on myUCF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration 1 on myUCF</td>
<td>Mar. 16 - May 17</td>
<td>Mar. 16 - June 28</td>
<td>Mar. 16 - May 17</td>
<td>Mar. 16 - May 17</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Late Registration 1 on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 18-22</td>
<td>June 29 - July 3</td>
<td>May 18-22</td>
<td>May 18-22</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>May 21</td>
<td>July 2</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 2</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 22</td>
<td>July 3</td>
<td>May 22</td>
<td>May 22</td>
</tr>
<tr>
<td>Payment Deadline 2</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
<td>May 29</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
<td>N/A</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>June 6</td>
<td>June 23</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>July 6</td>
<td>June 23</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 19</td>
<td>July 23</td>
<td>June 19</td>
<td>June 19</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 26</td>
<td>August 7</td>
<td>August 7</td>
<td>July 17</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 27</td>
<td>August 8</td>
<td>August 8</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>July 1</td>
<td>August 12</td>
<td>August 12</td>
<td>July 22</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 2</td>
<td>August 13</td>
<td>August 13</td>
<td>July 23</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

### University Holidays and Special Events

- **Memorial Day Holiday** ................................................................. May 25, 2015
- **Independence Day Holiday (observed)** ........................................... July 3, 2015
## 2015 - 2016 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2015</th>
<th>Spring 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2015</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 22 - August 1</td>
<td>Oct. 12 - Dec. 4, 2015</td>
</tr>
<tr>
<td>Registration(^1,2,4) on myUCF</td>
<td>March 16 - August 23</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Late Registration(^1,2) on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td>January 11-15</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td>January 15</td>
</tr>
<tr>
<td>Payment Deadline(^2)</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 12-23</td>
<td>October 12-23, 2015</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Last Day to Reinstatement Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Veterans Affairs Deferral Payment Deadline(^2)</td>
<td>December 4</td>
<td>April 8</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete(^3)</td>
<td>December 7</td>
<td>April 26</td>
</tr>
<tr>
<td>Study Day</td>
<td>December 8</td>
<td>April 27</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 9-15</td>
<td>April 28 - May 4</td>
</tr>
<tr>
<td>On-Campus Housing Closes (noon)</td>
<td>December 16</td>
<td>May 5</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 18</td>
<td>May 5</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 18</td>
<td>May 9</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 18-19</td>
<td>May 5-7</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 23</td>
<td>May 12</td>
</tr>
</tbody>
</table>

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\(^1\) $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.

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

\(^3\) Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to "F".

\(^4\) Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2015, Fall 2015 and Spring 2016 beginning March 2, 2015. Registration for these students will begin on or after March 16, 2015. All other eligible students will receive their registration times beginning October 12, 2015, and Spring registration for these students will begin on or after October 26, 2015.

## 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 7, 2015</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 18-24, 2015</td>
</tr>
<tr>
<td>Homecoming Game - vs. Houston</td>
<td>October 24, 2015</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 11, 2015</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 26-28, 2015</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 18, 2016</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 7-12, 2016</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 6, 2016</td>
</tr>
</tbody>
</table>

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**NOTE:** 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.
Undergraduate Academic Policy Statement
The University of Central Florida may change any of the announcements, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot be altered at any time without new and modified regulations. Statements made in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

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

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

Sexual harassment, a form of sex discrimination, is defined as 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.

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

Retaliation against a person who reports discrimination or who serves as a witness in a discrimination investigation is also prohibited and subject to the same penalties.

Employees, students, visitors, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Office of Equal Opportunity and Affirmative Action Programs (EOAA). The Director of EOAA is responsible for concerns in all areas of discrimination. The Director is also the Title IX Coordinator. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

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

Campus Alcoholic Beverages Policy
The sale, service, distribution, possession and consumption of alcoholic beverages 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, distribution, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 and University of Central Florida Regulation “UCF-4.035 Alcoholic Beverages on Campus” for more information.

Guidelines
The sale, service, and distribution 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 as approved by special event permits.

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors.

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

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

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

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

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


Academic Behavior Standards
The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action may affect the student’s status in a specific program of study. Academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behaviors outlined in the undergraduate and graduate level are listed and defined in the Rules of Conduct in The Golden Rule Student Handbook.
Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, disciplinary action may be taken through the Office of Student Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in The Golden Rule Student Handbook. Students found in violation of Academic Misconduct will receive a Z designation that would be included with the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in The Golden Rule Student Handbook.

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

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

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

Students wishing to acquire a personal computer are strongly advised to consider a laptop. Recommended configurations can be found at http://cstore.ucf.edu/page.cfm?recommendations.html.

Undeclared Policy
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Student Responsibility for University Communication
UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The university sends all business-related and academic messages to a student’s Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email address.

It is critical that students maintain and regularly check their Knights Email address and cell phone number by which they can be reached in case of an emergency on campus. This emergency contact information will be used only for emergency communication purposes. Also, both permanent and local mailing addresses must be on record, so that any physical documents that must be mailed can be delivered.

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

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering and computer science, business administration, health sciences, life sciences, hospitality management, and digital media. The College of Medicine, which graduated its first M.D. students in spring 2013, is the centerpiece of a medical city at Lake Nona bustling with scientists searching for cures for cancer and other diseases; future doctors learning about the latest advances in health care, and patients receiving high-quality care.

More than 60,000 students attend classes on UCF’s main campus in east Orlando and 15 satellite locations throughout Central Florida. Since President John C. Hitt’s arrival in 1992, enrollment has nearly tripled, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF continues to attract many of the nation's best and brightest students. The fall freshman class for the 2014-15 academic year posted an average SAT score of 1257 and a high school GPA of 3.91. A total of 275 National Merit Scholars enrolled in fall 2014. UCF also continues to become more diverse each year, with four of every 10 students in fall 2014 classified as minority students.

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

UCF's Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad fitness equipment. The Student Union features computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall.

A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, x-ray capabilities, pharmacy, dental clinic, medical laboratories and physical therapy services.

The Career Services and Experiential Learning building features 17 private interview rooms, including a boardroom-style suite where cameras record students' practice interviews.

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

National University to Watch: For the past several years, U.S. News & World Report's "America's Best Colleges" guide has lauded UCF as a "top 10" institution to watch. UCF also has been consistently ranked as one of the nation's best values by The Princeton Review, and Kiplinger magazine.

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

Center for Distributed Learning

Associate Vice President: Thomas B. Cavanagh

UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910
http://online.ucf.edu/

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

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

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

Online instruction modes are:
- WORLD WIDE WEB (W): These are courses conducted via web-based instruction and collaboration. Some courses may require miniatrude activities or proctored exams.
- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.

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

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

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

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

Regional Campuses

http://www.regionalcampuses.ucf.edu

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs accessible include 19 bachelor’s programs, 8 minors and 1 master’s degree as well as online programs by each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, 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 extensive web class availability and support for numerous fully online degree programs and academic minors. A.A. and A.S. degree and A.A.S. students in their first two years and student services professionals are located at the following campuses: UCF Cocoa and Palm Bay; UCF Daytona Beach; UCF Sanford/Lake Mary; UCF South Lake and Leesburg; UCF Valencia West, and Osceola; and UCF Ocala. Regional Campus Distance Learners may take advantage of services through various communication technologies. Times and dates for all courses are listed online prior to registration each term, and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and Eastern Florida State College, Lake-Sumter State College, Seminole State College, Daytona State College, and Valencia College. This agreement provides entry for A.A. and A.S. graduates to upper-level division work on a baccalaureate degree. Programs accessible include 19 bachelor’s programs, 8 minors and 1 master’s degree as well as online programs by each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, smart classrooms,” libraries, computer labs, and more.

All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the university. At UCF Regional Campuses, students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at http://www.regionalcampuses.ucf.edu.
Administration
UCF Regional Campuses (RC) Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Vice Provost, Regional Campuses ........................................ J. Jeffrey Jones
Senior Administrative Assistant ............................................ Kathi Harris
Associate Vice Provost, Regional Campuses Academic & Student Initiatives ......... Pam Cavanaugh
Director, Academic Support Services .................................... Jennifer Sumner
Director, Student Services & Advising ..................................... Angela Jones
Associate Director, Academic Initiatives .................................. Waheeda Illasarie
Associate Director, Academic Initiatives .................................. Mary Lynn Bresette
Assistant Director, Continuing Education ................................ Kallie Reyes
Facilities Scheduler ................................................................. Denise Devlin
Coordinator, Research .......................................................... Jeanne Walker
Associate Vice President, Enrollment Services, Marketing & Outreach .......... Angé Peterson
Director, RC Enrollment Services ............................................ Deborah Bradford
Marketing Account Executive ................................................ Michelle Fuentes
Web Designer ................................................................. Tony Recascino
Assistant Web Support .......................................................... Minesh Patel
Senior Art Specialist ............................................................. Mary Lou Wade
Director, Library Services ...................................................... Cynthia Kisby
Assistant Vice President, Business Affairs and Operations ................... Kimberley Cole
Executive Administrative Assistant ......................................... Jeannette Holder
Director, Budget & Finance ..................................................... Joe Schofield
Coordinator, Administrative Services ..................................... Sonia Irme
IT Supervisor ............................................................................. Aaron Misiano
College/Division IT Project & Testing Manager ...................... Calston Llewellyn

Campuses
UCF Valencia West, UCF Valencia Osceola, UCF Valencia East
Assistant Vice Provost ................................................................ Kimberly Hardy
Assistant Director, Osceola .......................................................... James Smith, Jr.
Coordinator, Enrollment Services, West ..................................... Richard Satterlee
Coordinator, Enrollment Services, Osceola ................................ Jessica Matos
Senior Admissions Specialist, East .......................................... Priscilla Alejandro
Associate Director, Student Services, West ................................ Carol Black
Coordinator, Advising Services, West ....................................... Lisa Cruz
Coordinator, Academic Advisor, Osceola ................................ Melissa Hanbery
Coordinator, Academic Advisor, Osceola ................................ TBA
DirectConnect Coordinator, West ............................................ TBA
DirectConnect Coordinator, Osceola .......................................... Kim Martinez
Director, Academic Advisor, East ............................................ Christopher Quintero
Department IT Manager ............................................................ Jason Mayer
Administrative Assistant ......................................................... Jacqueline Diaz

UCF Daytona
Assistant Vice President ......................................................... Linda Bradley-Thacker
Regional Associate Director .................................................... Darryl Greely
Coordinator, Student Services ................................................. Raphael Robinson
Coordinator, Enrollment Services ............................................. Rosalyn Santana
Coordinator, Academic Advisor .............................................. Tina Davis
Coordinator, Academic Advisor .............................................. Virginia LaRue
Coordinator, Academic Advisor .............................................. Angela Edwards-Johnson
Coordinator, Administrative Services .................................... Bonnie Marsh
Department IT Manager .......................................................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte
Associate Vice President ......................................................... David Mealer
Regional Director ................................................................. Sean Armstrong
Coordinator, Student Services ................................................. Ashley Squillante
Coordinator, Academic Advisor .............................................. Georgia Kent
Coordinator, Academic Advisor .............................................. Jacki West-Lee
Assistant Director, Enrollment Services .................................... Luisa Mejia
Department IT Manager ........................................................... Russell Muller
Administrative Assistant ......................................................... Valerie Brackman

UCF Cocoa, UCF Palm Bay
Regional Director .................................................................... Lauren Miller
Assistant Director, Palm Bay ..................................................... TBA
Coordinator, Enrollment Services ............................................ Nick Pantoni
Coordinator, Academic Advisor .............................................. Jessica Houts
Coordinator, Academic Advisor .............................................. Angel Edgecombe
Coordinator, Academic Advisor .............................................. Patricia Terrill
Coordinator, Academic Advisor .............................................. Sheryl Schagen
DirectConnect Coordinator ..................................................... Kim Poppert
Department IT Manager ........................................................... Sue Sorenson
Administrative Assistant ......................................................... Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President ........................................................... Cecelia Rivers
Regional Director ................................................................. Tanya Armstrong
Coordinator, Enrollment Services ............................................ Pamela Brady
Coordinator, Academic Advisor .............................................. Christy Pasins
Coordinator, Enrollment Services ............................................ Thomas Silarek
Coordinator, Academic Advisor .............................................. Robin Tinsley
Coordinator, Academic Advisor .............................................. Bethany Larson
DirectConnect Coordinator ..................................................... Colleen Scott
Director, Academic Support Services, Ocala ................................ Mei Wong
Department IT Manager ........................................................... Crystal Flynn
Administrative Assistant ......................................................... Lisa Dunn

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

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

- Applied Science (B.A.S.) College of Undergraduate Studies
  - Criminal Justice
- Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
- Elementary Education (B.S.) College of Education and Human Performance
- Human Communication (B.A.) College of Sciences
- Integrated Business (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
- Nursing (B.S.N.) College of Nursing
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S.) College of Sciences
- Sociology (B.A.) College of Sciences

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

Undergraduate Minors
Communication Sciences and Disorders
Crime, Law, and Deviance
Human Communication
Psychology
Sociology

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

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

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

Legal Studies (B.A., B.S.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences
Sociology (B.A.) College of Sciences

Undergraduate Minors
Crime, Law, and Deviance
Criminal Justice
Psychology

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

UCF Leesburg
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance

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

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

UCF Ocala
352-854-2322, ext. 1824
(In partnership with Central Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance (Cohort)

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

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

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

Undergraduate Minors
Human Communication
Psychology

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

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location: Applied Science (B.A.S.) College of Undergraduate Studies Track: Legal Studies Early Childhood Education (A.S. to B.S.) College of Education and Human Performance Elementary Education (B.S.) College of Education and Human Performance Human Communication (B.A.) College of Sciences Integrated Business* (B.S.B.A.) College of Business Administration

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

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

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

Undergraduate Minors
Legal Studies
Psychology

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

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

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location: Elementary Education (B.S.) College of Education and Human Performance Psychology (B.S.) College of Sciences

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

Undergraduate Minors
Psychology

For online programs visit: http://programs.online.ucf.edu/.
UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Legal Studies
- Biomedical Sciences (B.S.) College of Medicine
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Business Administration
  Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Psychology (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Health Services Administration (B.S.) College of Health and Public Affairs
- Human Communication (B.A.) College of Sciences
- Public Administration (B.A.) College of Health and Public Affairs
Undergraduate Minors
- Legal Studies
- Psychology

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

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

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

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

Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location. For degree programs and minors, it is possible not all courses will be scheduled every semester, or on every campus location. Check the actual program webpage and the academic schedule for specifics.
Regional Campuses also offers a Bachelor of Applied Science, a degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.
Central Florida Research Park
The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

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

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

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities. Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for the use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

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

Phillips-Schenck Chair in American Private Enterprise: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. Chair: Byron Clercx.

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

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

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

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1996 to create an environment conducive to the location of research-oriented industry in the field of optics. Chair: Konstantin L. Vodopyanov.

Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. Chair: Pradeep Bhardwaj.

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: Pradeep Bhardwaj.

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University of Central Florida/Campuses

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

Jalal Talabany Endowed Chair in Kurdish Political Studies: Created in 2007 to strengthen and support teaching and research in Kurdish Political Studies. Chair: TBA.

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

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

Hugh F. and Jeannette G. McKeen Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: Diane Wink.

Florida Hospital Endowed Chair in Healthcare Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in nursing and healthcare disciplines. Chair: Gregory Welch.

Paul N. Somerville Endowed Chair for Statistics: Created in 2012 to strengthen and support teaching and research in the field of statistics with an emphasis on the area of Big Data. Chair: TBA.

Orlando Health Endowed Chair in Nursing: Created in 2009 to support three areas: a leading expert in teaching and research, an annual symposium related to excellence in nursing and student scholarships. Chair: Mary Lou Sole.

University Ombuds Office
Ombuds Officer: Shreya Trivedi
MH 247; 407-823-6440
http://ombuds.ucf.edu/

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and guidance regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer, as a neutral facilitator, will listen to concerns and assist visitors by developing a range of options in an informal attempt to achieve resolution. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Title IX of the Education Amendments of 1972, (20 U.S.C. 1681 et seq.), and Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

College of Undergraduate Studies
Interim Vice Provost and Dean: Manoj Chopra
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

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

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

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

The International Services Center (ISC) facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing guidance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC also works with UCF departments to: facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

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

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

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. UCF Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are for whatever
The University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 50,000 journal subscriptions, 3.2 million microforms and 63,000 media titles. The Libraries’ electronic resources include 475 databases and 144,000 e-books.

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

- Over 370 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one week checkout.
- Wireless technology enables patrons who have portable devices to connect to the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms and one practice presentation room are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hitt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.

Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed-captioned television, and a browsing collection for leisure reading. The Knowledge Commons area offers seating for 479 students, access to 196 desktop PCs, collaborative group study areas, and rolling white boards.

For help and advice in the use of resources and materials, the Research and Information Desk http://library.ucf.edu/Reference/, located on the main floor, is open most library hours. Individual appointments can also be made for in-depth research consultations. These appointments provide student one-on-one time with a librarian http://library.ucf.edu/Reference/.

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

In collaboration with the University’s Office of Student Accessibility Services, students may request assistance with retrieval of materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with ZoomText and RefreshScan software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp. Primary source material from Special Collections and the University Archives supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more.

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

Branch Libraries

The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representative PK-12 curriculum materials for preview, review, analysis...
and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

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

Regional Campus Libraries

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

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

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

Office of Instructional Resources

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

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

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

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

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College Scheduler to reserve a classroom or to change the meeting space for a class.
Intercollegiate Athletics  
Vice President and Director: Todd Stansbury  
WD2; 407-823-2261  
http://www.UCFKnights.com

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

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

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

UCF Athletics’ 95 percent graduation success rate is a school record and places UCF No. 1 among all public universities nationwide. It is the fifth-best mark of any school in NCAA Division I (FBS).

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

Graduation Rate Disclosure  
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2008 full-time cohort is 69.7 percent. The retention rate for Summer-Fall full-time 2013 students is 87.5 percent. The information is public and available for review on the Institutional Knowledge Management website.

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

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

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

Knights Plaza, a living-learning community on the north end of UCF’s main campus is the home of the CFE Arena and The Venue, features an exciting mix of student apartments, garages, services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.cfearena.com or http://www.knightsplaza.com. For information on apartment rental, please visit http://www.housing.ucf.edu.

Campus Bookstores

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

John T. Washington Center Location  
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It also offers the largest variety of UCF clothing in the world, including logo gift items, snacks, beverages, convenience items and a full service cafe that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-823-2668.

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

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

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

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

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

Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes 14 round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday. Arrivals and departures can be tracked via UCF mobile application or http://m.ucf.edu/shuttles/routes.

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

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

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

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

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

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at http://www.ucfalumni.com/benefits. Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association, one of the largest on-campus student organizations. 4EK offers its members a wide variety of fun events and valuable benefits including invitations to fun 4EK socials, Movie Knights, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership, scholarship and service opportunities and much more.

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

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

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

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

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receiving, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
OIS has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning across campus and helps keep the curriculum current by offering faculty training, quality measurement, measurement of learning outcomes in experience-based learning courses, and outcome data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which it has received numerous times for excellence in student engagement and partnerships.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally. Experiential Learning faculty members advise students, instruct co-op and internship courses, and support college faculty in the design and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects. All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of entering graduate school or obtaining major-related employment upon graduation.

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

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

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

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

**National Consortium for Academics and Sports (NCAS)**

Director, Special Programs and Events: Suzi Katz-Slowinski
BAZ 113; 407-823-3555
http://www.ncasports.org

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

Mission: The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individually.

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**SPECIAL ACADEMIC PROGRAMS AND RESEARCH INSTITUTES**

**International Studies (OIS)**

Director: TBA
MH 107; 407-882-2300; Fax: 407-882-0240
http://www.international.ucf.edu/OIS

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

**Study Abroad Programs**

http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to unfamiliar living conditions. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience that is consistent and furthers UCF curriculum. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time. Courses delivered as part of these programs must meet all academic criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidad Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University, The Netherlands; Jonkoping and Malardalen universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

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

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

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

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies provides guidance, instruction and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include student internships or course-related real-world experience in their academic programs to gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year.
als and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

Core Values:

Diversity and Inclusion
We believe diversity and inclusion serve as a catalyst to promote fairness, equity, and justice. At the NCAS, we harness the power of diversity and inclusion to capitalize on individual and collective strengths and help teams, staffs, and organizations reach their full potential. Respect and appreciation of difference are the founding principles of diversity and inclusion. As advocates of fairness and equality, the NCAS hopes to build a global awareness and cultural competence through the power of sport. We strive to be on the cutting edge, proactively working to understand who is being excluded.

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

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

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

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

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

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

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

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

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

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

Off-Campus College Credit Programs
University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

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

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

Associate Director: Robert G. Croce
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028
Email: DPI@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

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

Executive Development Center
Executive Director: Robert Porter
Associate Director of Degree Programs: Robin Hofler
407-235-3913; Email: edc@bus.ucf.edu

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

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide quality executive education programs to both individuals and organizations.

The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

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

- Executive MBA Program
- Professional MBA Program
- Professional Master of Science in Management/ Human Resources
- Professional Master of Science in Management/ Business Analytics
- Professional Master of Science in Real Estate
- Open-enrollment Programs
- Custom Corporate Programs
Special Academic Programs and Research Institutes

Florida-Canada Linkage Institute

**Director:** Mark Hartman
407-823-3647; Fax: 407-823-2526
Email: fcll@ucf.edu

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

Florida-Eastern Europe Linkage Institute

**Director:** Mark Hartman
407-823-3647, Fax: 407-823-2526
Email: eeli@ucf.edu

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

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

**Director:** Marilyn Crotty
407-882-3960, Fax: 407-882-3968
http://www.iog.ucf.edu

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

Florida Solar Energy Center (FSEC)

**Director:** James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://www.fsec.ucf.edu

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

Florida Space Institute (FSI)

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

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

FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The teams participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near space environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectrograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.
FSL conducts its educational activities through the NASA Florida Space Grant Consortium (FSGC). FSI administers FSGC, a NASA sponsored state wide higher education program, led by the UCF. Through FSGC, FSI provides opportunities for students to participate in hands on space related projects like the Hybrid Rocket Competition, Florida Undergraduate Satellite Design Competition (FUNSAT), senior design projects and participation in NASA competitions. FSGC also provides fellowships, scholarships, internship and research experiences for students.

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

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

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

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

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

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

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

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

Oak Ridge Associated Universities (ORAU)
President and ORAU Councillor for University of Central Florida: John C. Hitt
ORAU Corporate Secretary: Monnie E. Champion
865-576-3146
http://www.orau.org

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

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

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

Small Business Development Center (SBDC)
Regional Director: Eunice Choi
3201 E Colonial Drive, Suite A20, Orlando FL 32803 (Located in the National Entrepreneur Center); 407-420-4850
Email: echoi@ucf.edu
http://www.sbdcorlando.com

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

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

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

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

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

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

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and Florida College System institution visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our website for further information. Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

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

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

Application for Admission

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

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

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

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

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

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

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

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

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

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

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

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

*Transfer students with 60 semester hours or more may also designate one of many Regional Campus sites. Please refer to the application.
**Students applying as transient from a Florida public institution should apply through Florida Virtual Campus at http://www.flvc.org.
***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants/.
****Please see the “Academic Regulations and Procedures” section of this catalog for this admission category.

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

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

Entrance Examination Scores
All FTIC applicants for admission must submit test scores from the SAT Reasoning Test or the ACT Plus Writing. In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

High School Academic Units and Grade Point Average
All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. Grade point average (GPA) will be computed only on academic courses. Plus(+) and minus(-) will not be included in the high school GPA calculation. 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:

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

Applicant Eligibility
As stated in Florida Board of Governors Regulation 6.002, an SAT Reasoning Test or ACT Plus Writing is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must obtain the following minimum scores in all three sections of either the SAT Reasoning Test or ACT with Writing as outlined below:

**SAT Critical Reading >= 460 or ACT Reading >= 19
**SAT Mathematics >= 460 or ACT Mathematics >= 19
**SAT Writing >= 440 or ACT English/Writing >= 18
Undergraduate Admissions

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

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

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

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

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

Dual Enrollment/Early Admit Applicants

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

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

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

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

Transfer Applicants

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

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

Transfer Applicants with Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT Reasoning Test or ACT Plus Writing scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants with an A.A. Degree from a Florida Public Institution

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

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

1. Admission to one of the twelve state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs.

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

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

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

Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants

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

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


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

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

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

Transient Student Applicants
A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose degree-seeking admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline.

Meeting minimum GPA requirements does not guarantee admission.

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

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

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

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

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

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

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

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

- Results of the SAT Reasoning Test or ACT Plus Writing will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org.

While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with the International Services Center indicating their financial support to cover educational and other expenses for the first year of study. These documents can be found online at http://www.intl.ucf.edu/index.cfm?

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

Joseph Silny and Associates World Education Services
http://www.jsilny.com
http://www.wes.org

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

The University reserves the right to refuse registration to any international student who fails to comply with the insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibilities, cooperates, or fails to meet all requirements.

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

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

Transfer Credit: All Applicants

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

Accredited Institutions

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

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

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

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

General Education Transfer Credits

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

Credits from Private and Out-of-State Institutions

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

Credits from Military Service School Courses

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

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average (including all transfer credit). For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
The FAFSA must be received by UCF no later than March 1st to meet deadlines for Federal School Title IV aid. All students must apply or reapply for financial aid annually, before March 1, to determine eligibility. Students who reapply for financial aid should complete the Free Application for Federal Student Aid (FAFSA) or Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF in order to receive the data. UCF’s Federal School Title IV code is 003954. Regulations are subject to change at any time.

Student Rights and Responsibilities

Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or disability. All students’ records are confidential. It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of federal regulations.

Student Eligibility

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

Application Priority Date

All students must apply or reapply for financial aid annually, before March 1, to determine eligibility. If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan; Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible; Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term; A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

Application Procedures

The FAFSA can be filed electronically at http://www.fafsa.ed.gov; Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax returns, transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries; Messages on the Student Aid Report (SAR) should be reviewed thoroughly; Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. Delays can be costly as well as frustrating; Federal regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process; Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

Students must be accepted and classified as degree-seeking at UCF in an eligible program of study. Only courses toward degree requirements count for financial aid purposes; Students must maintain UCF’s Standards for Satisfactory Academic Progress (See http://finaid.ucf.edu/receiving/sap.html for more information); Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid package. This includes, but is not limited to, any private scholarships or third party tuition payment/waivers; Students may not receive aid in excess of their Cost of Attendance (See http://finaid.ucf.edu/applying/app_costs.html for more information); Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution; Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds; Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA; Students must reapply annually for financial aid; Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF; Students must be U.S. citizens or an eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I-551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications; Students must have a high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law; For need based programs, students must show financial need as determined by the FAFSA; Male applicants must be registered with Selective Service, if applicable.

Office of Student Financial Assistance

Director: Alicia Keaton
MH 120; Switchboard: 407-823-2827; Fax: 407-823-5241
Email: finaid@ucf.edu
http://finaid.ucf.edu

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

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

Student Rights and Responsibilities

Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or disability. All students’ records are confidential. It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of federal regulations.

Student Eligibility

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

Application Priority Date

All students must apply or reapply annually for 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 no later than March 1st to meet the university’s application priority date. If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan; Students should wait not to be admitted to UCF before applying for financial aid; Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible; Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term; A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

Application Procedures

The FAFSA can be filed electronically at http://www.fafsa.ed.gov; Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax returns, transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries; Messages on the Student Aid Report (SAR) should be reviewed thoroughly; Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. Delays can be costly as well as frustrating; Federal regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process; Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF; Students must be U.S. citizens or an eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I-551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications; Students must have a high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law; For need based programs, students must show financial need as determined by the FAFSA; Male applicants must be registered with Selective Service, if applicable.
Program Eligibility Charts
To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, Undergraduate Aid (See http://finaid.ucf.edu/receiving/pec.html for more information).

Helpful Hints
- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/ Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet the university’s application priority date;
- Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of the semester;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit originals; documents will be shredded after scanning);
- Activate your Knights Email account. Check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance, change and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered;
- Respond promptly to all information requests; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;
- If there are extenuating circumstances or problems at any time, you may visit the office during normal business hours to speak with a counselor;
- Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website at http://finaid.ucf.edu/receiving/pec.html for the estimated Cost of Attendance.

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

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

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

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

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

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

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

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

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

Deferrals of Tuition and Fees
Deferrals allow for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferrals are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. In order to have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.

Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester and continues each week thereafter. During the first week of classes students are
To meet the standards adopted by the University of Central Florida, a student must:

- Undergraduate students must maintain a minimum cumulative G.P.A of a 2.0.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours. Compliance of this requirement is checked at the end of each term.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours, based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).
- Students who do not meet the above standards will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must either meet these standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
- Repeated course/s, including the original attempt, will be counted towards the maximum time frame and hours completion ratio requirements.
- For detailed SAP policy information, please refer to the University of Central Florida Student Financial Assistance website at: http://finaid.ucf.edu.

<table>
<thead>
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</tr>
<tr>
<td>Doctor</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
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Satisfactory Academic Progress (SAP)

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

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

- Undergraduate students must maintain a minimum cumulative G.P.A of a 2.0.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours. Compliance of this requirement is checked at the end of each term.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours, based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).
- Students who do not meet the above standards will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must either meet these standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
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Satisfactory Academic Progress Probation

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

Transfer Students

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

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

Independent Students

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

- You are 24 years of age or older by December 31 of the award year;
- You are married at the time the original FAFSA was filed for the year;
- You are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2015-16 school year;
- You now have or will have children who receive more than half their support from you;
Student Financial Assistance

- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30, 2016;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who have engaged in active duty (including basic training) in the U.S. Armed Forces, or are a National Guard or Reserves enlistee who was called to active duty for other than state or training purposes, or were a cadet or midshipman at one of the service academies, and were released under a condition other than dishonorable. You are not a veteran now but will be one by June 30, 2016.
- at any time since you turned 13, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless;
- you were determined, by the director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime on or after July 1, 2014; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2014.

Transient Enrollment

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

UCF students attending a Florida public community/state college and at a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

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

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

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

Over Awards

An over award occurs when a student’s award package has exceeded either the Unmet Need or Cost of Attendance. To prevent over awards, students are required to notify the Office of Student Financial Assistance. Any potential awards not already listed on the student’s financial aid summary on the Student Center in myUCF. In the event of an over award, the student’s award package is reduced to eliminate the over award, which may result in a repayment to the institution of the over award.

Refunds and Return of Title IV Funds

Students should be aware that if they completely withdraw (officially or unofficially) from the university after having received financial assistance, they may be required to repay a portion of that assistance. Students who received Federal Direct Stafford Loans should also know that the Registrar’s Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals. This may change their loan deferment status with their loan servicer(s).

Professional Judgment

The 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 contact the office to review their specific situation with a counselor. If a student presents extenuating circumstances, an appeal can be submitted to include support documentation for review. The appeal will be reviewed and a decision will be made through the Professional Judgment process.

Repeated Coursework

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

Maximum Time Limitation on Direct Subsidized Loan Eligibility

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

Excess Hours

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

The financial aid office cannot increase students cost of attendance as a result of being charged the excess hours surcharge. Excess hours surcharge is a state statute and should not be confused with the federal SAP standards. Students are encouraged to meet regularly with their academic advisors to map out a timely completion of their degree. For more information, please refer to http://registrar.ucf.edu/excess-hours.
STUDENT TUITION AND FEES

Student Account Services
Senior Associate Controller: TBA
MH 109; 407-823-2433,
Email: stuaccs@ucf.edu
http://www.studentaccounts.ucf.edu/

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

Schedule of Fees
Note: 2015-2016 tuition and fees had not been established at the time of this publication. Rates for the 2015-2016 academic year will be available in July 2015 at http://tuitionfees.ikm.ucf.edu/. Fees are subject to change without notice.

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

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

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

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:

“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

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

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

Note: The Fall 2015 Financial Responsibility Statement had not been established at the time of this publication.

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

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.

E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2015, Fall 2015, or Spring 2016). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

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

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

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

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

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

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-available basis; see the appropriate term’s Academic Calendar for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

And

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

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

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license or Florida identification;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts) where you reside;
   f. Verification of permanent employment, full-time (30 hours/week x 52 weeks) in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
   n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

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

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

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

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

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

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

The Registrar’s Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant before it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents.

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

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an erroneous decision was made regarding their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar’s Office.
Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from identification, recruitment, matriculation, and investment, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success.

SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

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

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

**Academic Services for Student-Athletes (ASSA)**
*Director: Kimya Massey*
WDSC I; 407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

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

ASSA services include:
- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- Directing students to utilize the full spectrum of other university services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and,
- Providing student-athletes with computer access and services.

**Activity and Service Fee Business Office (ASF)**
*Director: Richard Phillips*
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

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

In addition, the office manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters, and attractions. The office also oversees the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 24 computer stations available and provides limited free printing to currently enrolled students.
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Career Services (CS)
Executive Director: Lynn Hansen
CSEL: 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

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

- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings)
- Graduate School Information

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

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

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

CAPS offers:
- Short-Term Individual Therapy
- Group Therapy and Workshops
- Crisis Intervention and Walk-In Appointments
- * Crisis afterhours hotline: 407-823-2811 Press #5
- Couples Therapy (*both need to be UCF students)
- Outreach Presentations and Workshops
- Consultation to Faculty, Staff, Parents, and Students
- Referral Services to community and campus resources

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

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

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the Creative school classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the annual schedule.

Creative School offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years old and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and Creative School academic calendar. Experiences in observation, volunteerism, and training in the academic areas are available to university students and opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday. Evening program hours are 5:35 p.m. to 9:15 p.m., Monday through Thursday during the fall and spring semesters.

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

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

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

Major Exploration Program (MEP)
HPH 116; 407-823-3789
http://mep.sdes.ucf.edu

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

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

The First Year Experience office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK (Learning and Interacting with New Knights), Convocation, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course (SLS 1501). FYE assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year Experience website at http://fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve in a variety of leadership roles with FYE including the Orientation Team (O-Team), OSSM peer mentors, Strategies for Success course peer mentors, Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.
Fraternity and Sorority Life (FSL)
Director: Clay Coleman
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072
http://fsl.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing excellence in active advising of fraternity and sorority leaders that will create lifelong bonds through the principles encompassed in fraternal values. This office fosters an inclusive environment and commitment to student growth, academic excellence, civic engagement, leadership development, relationships, and risk-reduction education. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Fraternity and Sorority Life can offer students a "home away from home," a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what's happening within the Greek community via our Facebook page or on Twitter. Currently, we have 47 fraternities and sororities on UCF's campus with more than 4,000 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. It is important to be familiar with each council's specific recruitment or new member intake process. For details, visit http://fsl.sdes.ucf.edu and select "Councils." We encourage you to familiarize yourself with all of the councils to better understand the diversity of the Greek community and what each council has to offer.

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

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living with UCF Housing is strongly encouraged, and options are available for all classes of students, from freshmen to graduate students.

Students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore, all students desiring to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer or 11.5 month annual agreements (fall/spring/summer). Many types of housing are available, ranging from suite-style shared-bedroom residence halls to luxury apartments with private bedrooms and bathrooms.

Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom suite-style residence halls. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus. More information on the different housing options, rates, floor plans, etc. is available online at http://www.housing.ucf.edu.

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

Inclusive Education Services (IES)
Director: TBA
Location TBA; 407-823-4427
Email: ies@ucf.edu
http://ies.sdes.ucf.edu/

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

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

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

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

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

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

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

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

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

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

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

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on-campus programs, events, activities, and services. This office fosters a supportive and
Division of Student Development And Enrollment Services

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

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

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

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

Office of Student Rights and Responsibilities (OSR&R)
Executive Director, Assistant Dean of Students: Dana Juntenun
Ferrell Commons, Building 7G, Suite 227; 407-823-4638
http://cares.sdes.ucf.edu

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

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

The Office of Integrity and Ethical Development specializes in the promotion of individual responsibility and personal development. Programs are designed to develop awareness and understanding of personal, academic, social, ethical, and professional responsibilities and values. Services include mediation sessions and training, college life skills coaching sessions, and outreach programs. These services are designed to provide students (undergraduate and graduate) with the college life skills necessary for academic and personal success at UCF.

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

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

Students are encouraged to apply for the Student Conduct Board (SCB). The primary purpose of the SCB is to foster the personal, educational, and social development of students.

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

Student Care Services offers guidance, resources, and referrals to UCF students who are experiencing crisis level and ensure the safety of both the student and the UCF community.

PRIME STEM Student Support Services Program
Director: Rebekah McCloud
HHP 208; 407-823-4165
http://prime.sdes.ucf.edu

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

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

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

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. Seven outdoor facilities, one main building and the RWC @ Knights Plaza satellite facility make up the RWC. The RWC facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association (SGA).

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

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments. Effectively meets student administrative needs, ensures complete records management from registration through graduation and archived
data stores. The office maintains the integrity of student permanent academic records and implements procedures in accordance to university policies through campus-wide communication, collaboration, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings. Undergraduate Advising Guide, the online Undergraduate Catalog, the efficient utilization of classroom resources, readmission, transient student admission, residency reclassifications, student veteran services, NCAA Division I initial and continuing eligibility, the Knights Graduation Grant Initiative, and Commencement.

Social Justice and Advocacy (SJA)
Director: Edwanna Andrews
SU 207; 407-823-1027
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

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

Sophomore and Second Year Center (SSYC)
Director: Robert Snow
HPH 215; 407-823-3375
Email: sophomore@ucf.edu
http://ssyc.sdes.ucf.edu

The Sophomore and Second Year Center has a mission to assist and retain sophomore and second year students at the University of Central Florida. This mission is accomplished by providing academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information and advising resources through technology (Video Chat Advising), and assisting students with their progression towards graduation from UCF. SSYC provides on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second-year freshmen students stay connected and engaged with the UCF campus community. One of the communication resources is the “Sophomore Voice” newsletter that is produced and disseminated to students on a bi-monthly basis. The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second-year freshmen students to various campus resources, academic advising for major and career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, Cambridge AICE, and/or dual enrollment courses; and sophomores and second-year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office. SSYC collaborates with the college advising support units, and other campus student support offices, in providing information resources and academic advising services through conducting various student outreach program sessions during the summer, fall, and spring semesters.

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

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction (SI), peer tutoring, learning skills consultations, and academic success workshops.

The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses.

Learning skills specialists are also available for students who need college-level study skills advice or those who wish to enhance their educational experience.

Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting, and classroom etiquette. SARC also offers study skills assessments and online resources to help students become successful at the college level.

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

The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, state, and national standardized test center. Institutional and state tests include Accuplacer; Critical Thinking Test; Distance Learning/Correspondence Exams; Florida Teacher Certification Examinations (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; R/N Predictor, and Test of Essential Academic Skills (TEAS).
information is confidential and will be used only to coordinate accommodations to utilizing any resources. The student determines how to proceed after admission to the university, students who want to explore reasonable accommodations for students with disabilities. Such accommodations may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services.

Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, or other disabilities.

After admission to the university, students who want to explore reasonable academic accommodations should connect with Student Accessibility Services. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation.

The most up-to-date initial contact procedures can be found at http://www.sas.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

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

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

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

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote proactive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include: free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the RoundTable, 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, registered student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

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, changes the president, vice president, and other student leaders that oversees the daily administrative operation of SGA. The Legislative branch funds registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights issues.

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

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

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

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

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

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

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

The UCF SHS Alcohol and Other Drugs (AOD) program is housed within the UCF Counseling and Psychological Services building. AOD provides education, outreach, and treatment to all UCF students. Additional services include both individual and group therapy, as well as support groups which include Alcoholics Anonymous, Narcotics Anonymous and relapse-prevention groups. All therapy provided by AOD is approved by the Florida Safety Council.

Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our principal pharmacy is located in the main Health Center, and a satellite pharmacy is located within the smaller clinic at Knights Plaza. The pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who have insurance coverage.

When SHS is closed, students may obtain information and help from the SHS telephone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and FreeMD (the web-based interactive system to help make decisions about health needs). If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via http://www.studenthealth.ucf.edu (charges for services are the student’s responsibility).
Student Legal Services (SLS)
Director and Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
http://ls.sdes.ucf.edu

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

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

The primary mission of the Office of Student Outreach Services is to attract, motivate, and prepare underrepresented middle and high school students from the local area to pursue and complete a college education. Students and their families are offered a variety of opportunities and programs designed to assist in the navigation of the college admissions, financial assistance, and career preparedness processes. We are committed to partnering with the UCF community and other external agencies and organizations vital to providing quality programming for all of our participants.

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

The Student Union is the “Heart of Campus” and provides the campus community with a variety of meeting rooms, offices, programs, and services. The union is home to a great variety of restaurants including Joffrey’s Coffee, Greens Salad Bar, Balagan Kosher Cafe, Smoothie King, Subway, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s Famous, Asian Chao, Huey Magoos, Corner Cafe and Topper’s Creamery. Retail stores include Knightstop Convenience Store, Wireless Expressions and College Optical. Other services located in the union include the SGA Ticket Office, SGA Computer and Express Labs, ATMs from SunTrust, Bank of America, Chase Bank, and the UCF Federal Credit Union as well as a self-service postal kiosk. The Student Union also operates the Knights Helping Knights Food Pantry, All Knight Study at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. All Knight Study is generally open 24 hours, 7 days a week (excluding holidays and semester breaks), and the union is open until midnight on Saturday and 2 a.m. on Sunday and weekdays (excluding holidays and semester breaks). For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

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

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at the University of Central Florida. The office provides the following resources and services:
- General advising and referral for transfer students before and after they enroll at UCF;
- Referral to DirectConnect advisors at partnering colleges:
  - Eastern Florida State College, Lake-Sumter State College,
  - Seminole State College, and Valencia College;
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club

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

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

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

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

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

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

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

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

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

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

Students eligible for VA educational benefits may also be eligible for a VA deferment of tuition and fees. The VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment.

For fall and spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services website for summer term course load and other FAQs.

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.
To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits.

Accordingly, benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the university. If reinstated by the university following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

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

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

Effective July 1, 2014, the C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.

Wellness and Health Promotion Services (WHPS)
Director: Maureen Hawkins
Recreation and Wellness Center Building, Suite 111; 407-823-5841
http://whps.sdes.ucf.edu
Wellness and Health Promotion Services aims to assist every UCF student in being a “Healthy Knight” and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in health, wellness and academic success, by offering a wide range of health promotion and risk reduction services on topics including: alcohol and other drugs, sexual wellness, nutrition, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, and healthy relationships. A variety of services are provided by health professionals including screening and education, along with HIV testing and counseling, massage therapy, and biofeedback assisted relaxation training. Trained Peer Health Advocates help promote healthy behaviors both by staffing Health Huts around campus and by facilitating interactive workshops.
Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. Programs” chapter of this Undergraduate Catalog. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

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

How Can a Florida College System Institution Counselor or Advisor Help Me?

It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements to enter each program at UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

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

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

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

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.
Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities. If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. If you have met all the A.A. requirements, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What Are the Foreign Language Requirements?

Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy this requirement prior to graduation.

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

How Will My Credits Transfer?

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

Transfer Checklist

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Yes</th>
<th>No</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

### Application for Admission

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

### Transcripts

(Original transcript from all institutions attended)

<table>
<thead>
<tr>
<th>Institution</th>
<th>Y___ N___ transcripts sent from all current and prior institutions</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ Final transcript sent after term completed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Financial Aid/Scholarship

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

### Housing

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

### Immunization

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em> student Health Form submitted</td>
<td></td>
</tr>
<tr>
<td>Y___ N___ need immunizations</td>
<td></td>
</tr>
</tbody>
</table>

### Foreign Language Requirements (Admission)

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

### Program (Major) Requirements

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

### Orientation:

<table>
<thead>
<tr>
<th>Orientation date at UCF</th>
<th>Date</th>
</tr>
</thead>
</table>

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

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:

Office Visits for Transfer Advising

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

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted "contingent upon completion of the A.A." If you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the "Immunization Form." Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
Responsibilities
Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives. Academic advising connects students with the University by bringing meaning to its mission, its curriculum and to the learning environment that is the University community. Academic advising is committed to assisting and supporting students with developing their educational, career and life goals. It provides access to campus resources, and coordinates the integration of all aspects of student life into learning experiences. It is an individualized avenue of communication that assists students in the planning and decision-making process.

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

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration.
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit.
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, COMPASS, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116).
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110).
   c. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (HPH 215).
   These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

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

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

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

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

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

Graduating students will:
1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Meet with a CAHSA advisor after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights Email account and degree audit.
Academic Advising

College of Business Administration

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

**New students will:**
1. Be classified as ‘pre’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre’ students have enrollment access to non-restricted classes within the CBA; and,
2. Meet college-advising representatives in a group setting during Orientation to discuss major requirements, college policy, procedures, expectations, and degree programs;
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
4. Meet with a faculty advisor in the department of their declared major during the first enrolled term to petition any relevant transfer work into their degree program, as needed;
5. Meet with a Career Coach in the OPD (BA2, Room 101), to understand the career options of their major; and,
6. Be advised in the OPD if the major is “Pre Business” and the student is classified as at least Sophomore standing.

**Continuing students will:**
1. Meet with a member of the OPD Advising Team to review academic progress and develop or update an academic plan. Degree requirements and course prerequisites should be reviewed prior to registration each term;
2. Meet with their Career Coach as directed by activities in the college’s Career Professionalism curriculum;
3. Register for courses in MyUCF at their scheduled appointment time. All changes to the student’s class schedule must be completed by the end of the drop/swap and add periods;
4. Be classified as ‘pre’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre’ students have enrollment access to non-restricted classes within the CBA;
5. Meet with a faculty advisor and/or member of the OPD Advising Team during the term prior to the anticipated graduation term as needed; and,
6. File the “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

**Students placed on ‘Lack of Progress’ due to Major and/or College of Business Administration GPA concerns will:**
1. Have a “hold” placed on their subsequent registration; and,
2. Meet with a faculty advisor in the department of their declared major to review the student’s academic situation and develop a plan of action.

College of Education and Human Performance

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

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

College of Engineering and Computer Science

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

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

College of Health and Public Affairs

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

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

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

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

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

Admission to a health professional school is highly competitive. Pre-health professional students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations. Most professional schools expect applicants to present at least a “B” average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.

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

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

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

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology</td>
<td>BSC 2010, BSC 3403C*</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>CHM 2045C, 2046, 2046L</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>CHM 2210, 2211, 2211L</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>BCH 4053</td>
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<tr>
<td>Biochemistry/Molecular Lab</td>
<td>BSC 3403C</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 3020C</td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2253 (prefer MAC 2311, 2312)</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 2053C, 2054C or PHY 2048, 2049</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
</tr>
<tr>
<td>Immunology</td>
<td>PCB 3233 and PCB 3233L</td>
</tr>
<tr>
<td>Neurobiology</td>
<td>ZOO 3744</td>
</tr>
</tbody>
</table>

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

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

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

Continuing students will:
1. If accepted in a nursing program, attend a College of Nursing orientation and 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, College 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 each semester; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

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

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

Continuing students will:
1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate;
Academic Advising

1. Access the class schedule and Degree Audit online at https://my.ucf.edu;
2. Resolve any HOLDs placed on their account preventing them from registering;
3. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
4. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
5. Check their “Fee Invoices” to ensure accuracy of their class schedules.

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

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

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

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

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

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

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

Regional Campus System
http://regionalcampuses.ucf.edu
UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala.

New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss degree programs and requirements. Further, students are asked to meet in a pre-advising session prior to Orientation to determine if the student is to attend the required orientation session in Orlando or at through the live or virtual orientation offered by the Regional Campus system. In these sessions, students will receive:
1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

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

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the student’s degree program.
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 and Fall Registrations begin following the middle of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for the registration period are included in the “Academic Calendar” online at http://calendar.ucf.edu.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

(a) One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or

(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status

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

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

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

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

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

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

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices.

After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade.

For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop and Withdrawal deadlines.

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

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

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

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

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

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

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Continuing Education
- Off-campus credit
- Soldiers-to-Scholars
- Regional Campuses
- Teacher Certification
- Teacher Recertification
Academic Regulations and Procedures

1. Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
   a.  Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.
   b.  Students who have previously denied admission or disqualified for enrollment are not eligible.
   c.  Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.
   d.  Registration is permitted on a space-available basis.
   e.  A minimum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student.
   f.  Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and
   g.  Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

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

State University System (SUS) Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org under “College Students” > “Transferring”.

Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior permission from the Office of 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 a term in which they expect to graduate. Student seeking transient status must complete the "Transient Approval Form," available from the college or school advising office or at http://www.flvc.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at http://www.flvc.org. No application fee is required. The “SUS Transient Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org, is no longer used. A student may request enrollment verification only by the application deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may request enrollment verification only by the application deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may request enrollment verification only by the application deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu.

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. During this time, students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), by fax at 407-823-5652, or by phone. A student must withdraw on a space-available basis during the last hours students register on a space-available basis only. Registration late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop_swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop must contact the Office of Academic Services. If a late withdrawal is approved, grades of Withdraw Passing (WP) or Withdraw Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of “WF” will affect the calculation of the student’s Grade Point Average. Late withdrawals normally are for courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition student. A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student in a class.

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

**Medical Withdrawal:** Students who seek a withdrawal for the student’s own medical reasons must apply for a medical withdrawal following the medical withdrawal procedure. Students seeking to petition for a medical withdrawal should contact the Office of Academic Services. A medical withdrawal is usually for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to meet course requirements.

Medical withdrawals for consecutive semesters are not approved. Medical withdrawal petitions for situations not meeting the conditions above must be extraordinarily well-documented. Students must submit the completed petition with all supporting documentation for a medical withdrawal to Academic Services (MH 210) within six months of the end of the term for which the medical withdrawal is sought.

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

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

**Withdrawal and Academic Behavior Violations**

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

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

**Grade System**

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

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>Grades</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.00</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3.75</td>
<td>A-</td>
<td></td>
</tr>
<tr>
<td>3.25</td>
<td>B+</td>
<td></td>
</tr>
<tr>
<td>3.00</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>2.75</td>
<td>B-</td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>C-</td>
<td></td>
</tr>
<tr>
<td>1.75</td>
<td>D+</td>
<td></td>
</tr>
<tr>
<td>1.25</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>0.75</td>
<td>D-</td>
<td></td>
</tr>
<tr>
<td>0.00</td>
<td>F</td>
<td></td>
</tr>
</tbody>
</table>

NC - No Credit

*Available only in CHM 1032, CHM 2040, CHM 2041, CHM 2045C, CHS 1440, ENC 1101, ENC 1101H, ENC 1102, ENC 1102H, MAC 1105CH, MAC 1105H, MAC 1114C, MAC 1140C, MAC 1140H, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311C, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D and D-.

**Legend**

- Repeated Course (Grade Forgiveness, multiple attempts)
- Incomplete
- Repeated course (Latest Attempt)
- No grade reported by instructor (followed by grade)
- Repeated Course (Not Grade Forgiveness)
- Repeated course (Grade Forgiveness)
- Satisfactory (w/credit)/Satisfactory Progress (Research, Thesis, or Dissertation)
- Followed by grade
- Unsatisfactory (no credit)
- Withdrawn
- Withdrawn Failing
- Health Form Withdrawal
- Medical Withdrawal
- Audit (no credit)

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

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

   Total = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:

   46.00 total grade points / 13 credit hours = 3.54 GPA for that term.

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**Academic Regulations and Procedures**

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**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. Requirements for the completion of the course may be completed in a reasonable amount of time following the end of the term. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

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

**Grade Reports**
Grades are available from myUCF at https://my.ucf.edu.

**Attendance, Absences, or Unsatisfactory Work**
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 154). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

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

**Classroom Responsibility**
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action.

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

**Student Conduct**
Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule. A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

**Religious Observances**
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify all relevant 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 bachelor’s 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.
Academic Regulations and Procedures

Grade Forgiveness

Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. Requests must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at http://calendar.ucf.edu. The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA or meet degree requirements;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an "I" grade or "NC" grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

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

Academic Standing

All academic actions are shown on myUCF at https://my.ucf.edu and on the transcript. The action is generated due to course completion. Changing a course grade does not necessarily change academic action. An exception may be made when an error is committed and is so stated by the instructor on the “Change of Grade Request Form.”

Good Standing

Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term
Academic Regulations and Procedures

GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

Academic Probation
Action taken when a student's UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better.

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF's general education program and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission accompanied 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 “D” (1.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)
A student readmitted following Disqualification who fails to achieve a minimum 2.0 Term GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida College System institution has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.

Readmission
A student must apply for readmission to the Registrar's Office (MH 161) if:
1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term;
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor's degree.

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

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the “Readmission Application Form,” available on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the “Other academic...” dropdown menu and scroll down to “Readmission Application.” If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as 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.

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

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

Readmission Prior to Completion of the Required Suspension
A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.
Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)

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

Dropping or Withdrawing During Readmitted Term

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

Limitations on the Number of Readmission Appeals

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

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

Non-Academic Admission Clearances

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

Appeal

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

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; and 3) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new or missing evidence that was not available at the time of the original appeal, that may be submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.

Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

Academic Amnesty Program

Effective Fall 2004, the Academic Amnesty Program provides undergraduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

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

1. Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
Academic Regulations and Procedures

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

2. The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the academic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant's academic potential and current status and may be satisfied by credit card, cash, check or money order. 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 telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are requested data are posted.

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 an UCF email address on a 12 month’s notice 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 Email Changes

The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the student's responsibility to make appropriate changes to the address online at myUCF as they occur. Address and email changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all required documentation is received.

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

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Account Services (MH 109). Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process. Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Extenuating Circumstances

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

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

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

Financial Hardship:

Should include, but not be limited to, the following:

1. Qualification for federal need-based financial aid; or,
2. Other documented financial hardship may be considered.

For details, contact Student Account Services (MH 109) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or 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, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. Students can change majors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.
Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at https://my.ucf.edu.

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

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

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

2. The right to request the amendment of the student’s education records within 30 days of the day the University receives a written request that the student believe is inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington DC, 20202-4605

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > Personal Information > FERPA/Directory Restriction or complete the Directory Disclosure/Release Authorization form available at the Registrar’s Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld.

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

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

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from http://www.registrar.ucf.edu/hea/.
### Advanced Placement (AP)

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

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

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

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

#### Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a "Latin Literature" syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

- AP Latin: Vergil  LNW 2321
- AP Latin: Latin Literature  LNW 3700 (number unique to exam)

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### ADVANCED PLACEMENT (AP)

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<tr>
<th>Exam</th>
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<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
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<td>ARH 2050 and 2051</td>
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<td>ENC 1101 and 1102</td>
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<td>Studio Art: Drawing Portfolio</td>
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<td>AMH 2010 and 2020</td>
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<td>CUL &amp; HIS Found 1 &amp; 3 and SCI Found 1</td>
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<td>World History</td>
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*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.*

*If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.*
### 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 for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

#### INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<td>GEB 2011 and 2005</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>CGS 1078 and 1906</td>
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<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
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<td>ENC 1101 and 1102</td>
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<td>CUL and HIS Found 2</td>
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<td>FRE 1121C and 2200</td>
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<td>History</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>Mathematics</td>
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<td>MAC 1107 and MGF 1106</td>
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<tr>
<td>Music</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2053C and 2054C</td>
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<td>Social Anthropology*</td>
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<td>SPN 1121 and 2230</td>
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<td>Visual Arts</td>
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*This use for General Education applies only to I.B. credit.

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### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<td>Algebra, College</td>
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<td>Algebra-Trigonometry, College</td>
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<td>SOC Found 1</td>
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<td>American Literature</td>
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<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
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<td>Biology, General</td>
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<td>SCI Found 2</td>
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<td>Calculus</td>
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<td>MAC 2233</td>
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<td>College Composition</td>
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<td>Educational Psychology, Introduction To</td>
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<td>EDP 1002</td>
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<td>English Composition with Essay</td>
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<td>COM Found 1</td>
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<td>German Language</td>
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<td>Marketing, Principles of</td>
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<td>Trigonometry</td>
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<td>Western Civilization I: Ancient Near East to 1648</td>
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<td>CUL &amp; HIS Found 1 or 3</td>
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<td>Western Civilization II: 1648 to Present</td>
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<td>EUH 2001</td>
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</table>

*Score of 59 or higher earns MAT Found 1 and 121C

*Score of 60 or higher earns GER 1120C and 121C
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 II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)

No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)

No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

IB Latin

LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP)

(see table on previous page)

Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awarding of CLEP credit is subject to the conditions listed below.

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

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

CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.
Credit by Examination

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

Cambridge AICE Exams (see table below)

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

DANTES Examination Credit (see table on next page)

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

CAMBRIDGE AICE EXAMS

<table>
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<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
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<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<td>Applied ICT – Information, Communication Technology (AS-Level)</td>
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<td>Art and Design (AS-Level)</td>
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<td>Global Perspectives Pre-U Independent Research II (A-Level)</td>
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<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
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<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001</td>
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</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
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<td>Physics (A-Level)</td>
<td>PHY 2035C and 2054C</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
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</tr>
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<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
</tr>
<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>
<td>SOC Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
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<td>Spanish (A-Level)</td>
<td>SPN 2200 and SPN 2231</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
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</tr>
<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, credit will be awarded for ENC 1102 and LIT 2100.
### Academic Regulations and Procedures

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

#### UEXCEL Credit by Examination
(see table below)
The table labeled “UEXCEL Credit by Examination” provides information related to the UEXCEL program developed jointly by Excelsior College and Pearson. More detailed information about the UEXCEL program, including test descriptions, can be found online at [http://www.uexceltest.com/about-uexcel](http://www.uexceltest.com/about-uexcel).

#### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<td>48</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<tr>
<td>Business Ethics and Society</td>
<td>GEB 2441</td>
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<td>Business Math</td>
<td>GMB 1001</td>
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<td>Criminal Justice</td>
<td>CCJ 1000</td>
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<td>400</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td></td>
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<td>400</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>400</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>FCO 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>
<td></td>
<td>48</td>
<td>400</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>44</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
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<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
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<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<td>Intro to World Religions</td>
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<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2111</td>
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<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
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<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<td>Personal Finance</td>
<td>FIN 1100</td>
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<td>400</td>
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<tr>
<td>Physical Geology</td>
<td>GY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
<td>400</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Substance Abuse</td>
<td>HSC 2140</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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#### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>C</td>
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<td>Earth Science</td>
<td>ESC 1000</td>
<td>C</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>C</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>C</td>
<td></td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Music</td>
<td>MUJ 1011</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Labor Relations</td>
<td>MAN 1400</td>
<td>C</td>
<td></td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>C</td>
<td></td>
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<td>Managerial Accounting</td>
<td>ACG 2071</td>
<td>C</td>
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<td>Microbiology</td>
<td>MCB 1000</td>
<td>C</td>
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<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
<td>C</td>
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<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>C</td>
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<td>Workplace Communication with Computers</td>
<td>GST 2335</td>
<td>C</td>
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<tr>
<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
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#### UEXCEL CREDIT BY EXAMINATION

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
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<tbody>
<tr>
<td>Calculus</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>C</td>
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<tr>
<td>College Writing</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120</td>
<td></td>
<td>C</td>
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</tbody>
</table>
Requirements for Graduation

Students must fulfill both the requirements for a major and University requirements to receive a bachelor's degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a "C" average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring "or Showers, the Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

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

General Education Program (GEP)

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

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida College System institutions and universities in lieu of completion of the University’s General Education Program.

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General Education Program Learning Objectives

Communications Foundation

- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation

- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and deepen appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

Mathematical Foundation

- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual's place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one's role and potential impact in social, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.
General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .36 hours
At least one course completed in each Foundation area must be a designated State General Education Core Course (∗)

A. Communication Foundation .............................................. 9 hours
1. ♦ ENC 1101 Composition I 1, 2 ................................................. (3,0)
2. ENC 1102 Composition II PR: ENC 1101 1, 2 ......................... (3,0)
3. SPC 1608 Fundamentals of Oral Communication .................. (3,0)
   SPC 1603C Fundamentals of Technical Presentations ............... (3,0)
   COM 1000 Introduction to Communication ............................ (3,0)

B. Cultural and Historical Foundation ................................. 9 hours
1. EUH 2000 Western Civilization I 2 ........................................ (3,0)
2. EUH 2001 Western Civilization II 2 ...................................... (3,0)
   ♦ HUM 2210 Encountering the Humanities ........................... (3,0)
   ♦ HUM 2230 Humanistic Tradition I 2 ................................... (3,0)
   ♦ AMH 2010 U.S. History: 1492-1877 2 ..................................... (3,0)
   ♦ WOH 2012 World Civilization I ........................................... (3,0)
   ♦ WOH 2022 World Civilization II ......................................... (3,0)

2. ARH 2051 History of Western Art II .................................... (3,0)
   ♦ STA 1063C Basic Statistics using Microsoft Excel ................. (3,0)
   ♦ SPC 1603C Fundamentals of Technical Presentations ............... (3,0)
   ♦ COM 1000 Introduction to Communication ............................ (3,0)
   ♦ SPC 1608 Fundamentals of Oral Communication .................. (3,0)
   ♦ EUH 2000 Western Civilization I 2 ........................................ (3,0)
   ♦ EUH 2001 Western Civilization II 2 ...................................... (3,0)
   ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♢
Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.

General Education Courses:
- ENC 1102: Composition II
- SPC 1068: Fundamentals of Oral Communication
- SYG 2000: Introduction to Sociology
- ANT 2000: General Anthropology
- POS 2041: American National Government
- PSY 2012: General Psychology
- WOH 2022: World Civilization II
- LIT 2120: World Literature II

Other Courses:
- AMH 3422: Frontier Florida
- AMH 3425: Sunbelt Florida
- AMH 3562: Women in American History II
- AML 3283: Contemporary American Women’s Fiction
- AML 3655: Harlem, Haiti, and Havana
- AML 3832: Ethnic Literature in America
- ANT 3245: Native American Religions
- ASH 4304: Women in China
- CCJ 4129: Cultural Diversity in Criminal Justice
- CCJ 4670: Women and Crime
- CJE 4174: Comparative Justice Systems
- COM 4014: Gender Issues in Communication
- COM 4461: Intercultural Communication
- CPO 3034: Politics of Developing Areas
- EDF 2085: Introduction to Diversity for Educators
- GEO 3471: World Political Geography
- JST 3401: Jewish People in Antiquity
- JST 3402: Wanderings: The Jewish People in Dispersion
- LIN 4615: African-American Styles of Communication
- LIN 4643: Cross Cultural Communication
- LIT 3192: Caribbean Literature
- MMC 4300: International Media
- MUL 2720: Music of the World
- NUR 3805: Dimensions of Professional Nursing Practice
- PAD 4446: Multiculturalism in Public Administration
- PLA 4020: Law and Society
- PLA 4830: World Legal Systems
- PLA 4472: Employment Discrimination Law
- POS 3627: Cultural Pluralism and Law
- PUP 3325: Women and Political Behaviors
- POS 4622: Politics and Civil Rights
- PUP 3314: Women and Political Behavior
- PUP 3204: Sustainability
- SOW 3620: Social Work with Diverse Populations
- SPW 4772: Black Presence in Contemporary Latin American Literature
- SYD 3800: Sex and Gender in Society
- YSP 4732: Minority Aging
- THE 4230: Cultural Diversity in Theater
- WST 3561: Third Wave Feminisms
- WST 3015: Introduction to Women’s Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams

In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.
Undergraduate Degree Requirements

Foreign Language Proficiency Requirement
(Bachelor of Arts Degree)

Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Placement in Language Courses
Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See "Special College and/or Departmental Requirements" within each listing.

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

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

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

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematic 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: 2. Six hours of English coursework

GEP Courses Which Satisfy: 1. Six hours of mathematics at the level of college algebra or higher

(1) Six hours of English Composition and six hours of additional
(2) Specifically identified courses and college level writing those from the following list:

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

ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EIH 2000 Western Civilization I
EIH 2001 Western Civilization II
HUM 2201 Humanistic Tradition I
HUM 2202 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2022 World Civilization II

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

AMH 2010H Honors U.S. History: 1492-1877
AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U.S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3580 North American Indians
AMH 3580 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4140 Jeffersonian America
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4231 United States History: 1914-1939
AMH 4270 United States History: 1939-1960
AMH 4644 Viewing American History in the Twentieth Century
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3682 Ethnic Literature in America
AML 3682H Honors Ethnic Literature in America
AML 4101 American Novel
AML 4153 American Poetry at Mid-Century
AML 4155 Modern American Poetry
AML 4261 Literature of the South
AML 4265 Florida Writers
AML 4300 Major American Authors
AML 4304 Whitman and His Heirs
AML 4321 Modern American Literature
AML 4630 Latino/Latina Literature
ANT 3163 Mesoamerican Archaeology
ASH 3222 Islam and its Empires
ASH 3223 The Modern Middle East
ASH 4402 History of Chinese Civilization
ASH 4404 Modern China
ASH 4442 Modern Japan
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EML 4501C Engineering Design I
ENC 1101H Honors Freshman Composition I
ENC 1102H Honors Freshman Composition II
ENC 3241 Writing for the Technical Professional
ENC 3241H Honors Writing for the Technical Professional
ENC 3250 Professional Writing
ENC 3310 Magazine Writing I
ENC 3311 Essay as Cultural Commentary
ENC 3315 Argumentative Writing
ENC 3330 Rhetorical Traditions
ENC 3331 Rhetoric and Civic Engagement
ENC 3331H Honors Rhetoric and Civic Engagement
ENC 3332 Writing for Publication
ENC 3351H Honors Writing for Publication
ENC 3373 Cultural Rhetorics
ENC 3417 Literacy and Technology
ENC 3453 Writing About Health and Medicine
ENC 3455 Writing About Science and Technology
ENC 3455H Honors Writing About Science and Technology
ENC 3456H Honors Writing About Health and Medicine
ENC 3473 Writing in Disciplinary Cultures
Undergraduate Degree Requirements

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://commencement.ucf.edu.

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 may not be enrolled as a transient student under which the student plans to graduate.

Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.
Undergraduate Degree Requirements

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

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

Double Majors

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

Two Degrees

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

More Than Two Majors, or More Than Two Degrees, or a Combination

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

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

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

**Associate of Arts Degree**
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from [http://www.academicservices.ucf.edu/AA-degree](http://www.academicservices.ucf.edu/AA-degree) and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

### Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Design, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

#### College of Arts and Humanities
**Bachelor of Arts (B.A.)**
- Art, Digital Media, English, Film, French, History, Humanities and Cultural Studies, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies, Writing and Rhetoric

- Bachelor of Design (B.Des.)
  - Major: Architecture

- Bachelor of Fine Arts (B.F.A.)
  - Majors: Art, Film, Theatre

- Bachelor of Music (B.M.)
  - Bachelor of Music Education (B.M.E.)
  - Bachelor of Science (B.S.)
  - Majors: Photography

#### College of Business Administration
**Bachelor of Science in Business Administration (B.S.B.A.)**
- Majors: Accounting, Business Economics, Finance, Integrated Business, Management, Marketing, Real Estate

- Bachelor of Science (B.S.)
  - Major: Economics

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

#### College of Engineering and Computer Science
**Bachelor of Science (B.S.)**
- Majors: Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.P.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

#### College of Health and Public Affairs
**Bachelor of Arts (B.A.)**
- Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

**Bachelor of Science (B.S.)**
- Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration

**Bachelor of Social Work (B.S.W.)**
- Major: Social Work

#### College of Medicine
**Burnett School of Biomedical Sciences**
**Bachelor of Science (B.S.)**
- Majors: Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

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

#### College of Optics and Photonics
**Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)**
- Major: Photonic Science and Engineering

#### College of Sciences
**Bachelor of Arts (B.A.)**
- Majors: Advertising-Public Relations, Anthropology, Communication & Conflict, Human Communication, International and Global Studies, Journalism, Physics, Political Science, Radio - Television, Sociology

- Bachelor of Science (B.S.)
  - Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

#### Rosen College of Hospitality Management
**Bachelor of Science (B.S.)**
- Majors: Event Management, Hospitality Management, Restaurant and Foodservice Management

#### College of Undergraduate Studies
**Bachelor of Applied Science (B.A.S.)**
- (Regional campuses only)

**Bachelor of Arts (B.A.)**
- Major: Interdisciplinary Studies

**Bachelor of Science (B.S.)**
- Major: Interdisciplinary Studies
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<th>College of Arts and Humanities</th>
<th>Name of Minor</th>
<th>College of Business Administration</th>
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<td>College of Education and Human Performance</td>
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<td>College of Engineering and Computer Science</td>
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<td>Aerospace Studies, Bioengineering, Computer Science, Engineering Leadership, Information Technology, Intelligent Robotic Systems - Interdisciplinary, International Engineering, Military Science, Secure Computing and Networks</td>
<td>Biomedical Sciences</td>
<td>Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
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<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/National Certification in Nonprofit Management, Public Administration, Urban and Regional Planning</td>
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Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

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

**Graduate Programs**

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog; http://www.graduate.ucf.edu/catalog/.
THE BURNETT HONORS COLLEGE

The Burnett Honors College
Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu
Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael T. Callahan
Director of Prestigious Awards: Morgan Bauer
Director of Research and Civic Engagement: Kelly Astro
Director of Student Services: Madi Dogariu

The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF’s most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for life-long learning.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Labs, Meditation Garden, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

University Honors
Admission to University Honors is granted by TBHC to qualified incoming freshmen (FTIC) on a competitive basis. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses\(^1\); 2) complete the Honors Symposium\(^2\); and 3) fulfill upper-division Honors course requirements determined by college or major\(^3\).

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements
Symposium: IDH 1920H
Lower-division: 4 courses
Upper-division: 3 courses; Vary by College and Major (see below)

The current upper-division\(^3\) requirements are as follows:

- **College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Economics (B.A.) and Interdisciplinary Studies majors**
  1. Complete one Honors Interdisciplinary Seminar\(^2\)
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar\(^2\)
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

- **College of Business Administration (Excluding Economics B.A. majors)**
  1. Complete one Honors Interdisciplinary Seminar\(^2\)
  2. Complete two Honors upper-division Business courses
  3. FIN 3403H Honors Business Finance
  4. MAN 3052H Honors Management of Organizations
  5. MAR 3053H Honors Marketing
  6. MAR 3203H Honors Supply Chain Management
  7. Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

- **College of Medicine (excluding Medical Laboratory Sciences majors)**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two of the following Honors upper-division courses
     - BSC 3403H Honors Quantitative Biological Methods
     - MCB 3020C Honors Microbiology
     - ZOO 3733C Honors Human Anatomy
     - PCB 3703C Honors Human Physiology
     - PCB 3522H Honors Molecular Biology
     - PCB 4524H Honors Molecular Biology II
     - ZOO 4704C Honors Clinical Neuroanatomy
     - MCB 4932H Honors Group Effort/Thesis
  Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

- **College of Engineering and Computer Science**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division courses
     - COP 3223H Honors Introduction to Programming with C
     - COP 3502H Honors Computer Science I
     - COP 3503C Honors Computer Science II
     - COT 3100H Honors Introduction to Discrete Structures
     - ENC 3214H Honors Writing for the Technical Professional
     - EGN 3310H Honors Engineering Analysis-Statics
     - EGN 3321H Honors Engineering Analysis-Dynamics
     - STA 3328H Honors Probability and Statistics for Engineers
     - EGN 3343H Honors Thermodynamics
     - MAS 3105H Honors Matrix and Linear Algebra
     - EGN 3365H Honors Structure and Properties of Materials
     - PHY 3101H Honors Physics for Engineers and Scientists III
  Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

- **Notes**
  1. ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted to the University Honors Program. Extra Upper Division course(s)/semester(s) can substitute for Lower Division courses.
  2. Honors Symposium is a mandatory two credit hour course offered for FTIC’s in the Fall semester of each year. This course includes guest lectures and discussions. Honors Symposium also includes a Service-Learning component.
  3. An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students. For more information about Honors requirements and advising, visit [http://ooha.honors.ucf.edu](http://ooha.honors.ucf.edu)

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

- **Requirements for Admission**
  Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; at least a 3.5 GPA within the major and at least two 3.2 GPA in all upper-division courses regardless of institution. Students who meet the eligibility requirements must obtain an application from the Office of Research and Civic Engagement in The Burnett Honors College. Students must also be supported by a UCF faculty member and seek approval from their Department Chair before submitting their application materials.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and completion of at least three hours of Directed Readings course work, and the completion of at least three hours of Honors Thesis. Nursing majors can take NUR 3165H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the Thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Chair and at least two committee members must be tenured or tenure-earning faculty. The student must receive a grade of at least “B” in all Honors in the Major course work to complete Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement the semester before their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@ucf.edu.

- **Burnett Research Scholars**
  The Burnett Research Scholars Program (BRS) is designed to help students identify and work with a faculty mentor in an area of shared interest, and then to assist student-mentor teams with project funding. In order to be a Burnett Research Scholar, students must submit a grant application and be selected to receive funding. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about BRS should visit [http://research.honors.ucf.edu](http://research.honors.ucf.edu).

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

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

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards, the application process 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 OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit [http://www.opa.honors.ucf.edu](http://www.opa.honors.ucf.edu) or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 102A.
The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing & Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women’s Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts, which offers degrees in Music and Theatre. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean’s office by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs

Prelaw Program
There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, Writing and Rhetoric, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science in the College of Sciences; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; and emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement

College of Arts and Humanities Student Advising (CAHSA)

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

CAHSA is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. Questions concerning the requirements within a major should be directed to the department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning
Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs
Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has eight area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Eastern European, Russian, and Women’s Studies. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors, see the list below.

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Delia Garcia; 407-823-3312
Asian Studies - Contact: Humberto Lopez; 407-823-2472
Judaic Studies - Contact: Moshe Pellis; 407-823-5039
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617, or Alla Kourova; 407-823-2472
Women’s Studies - Contact: Maria Santana; 407-823-2269

International Study Centers
Undergraduate Intercultural Access Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

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<th>Degree</th>
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<td>American Studies</td>
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<td>Architecture</td>
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<tr>
<td>Digital Media</td>
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<td>Diplomacy</td>
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<tr>
<td>English</td>
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<td>Film</td>
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<tr>
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<td>Latin American Studies</td>
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<tr>
<td>Music</td>
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<tr>
<td>Music Education</td>
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<td>Philosophy</td>
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<tr>
<td>Photography</td>
<td>BS</td>
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<tr>
<td>Religion and Cultural Studies</td>
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<tr>
<td>Russian Studies</td>
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<tr>
<td>Spanish</td>
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<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
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<tr>
<td>Writing and Rhetoric</td>
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</tbody>
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Departments and Programs

Africana Studies: Program
Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.cah.ucf.edu/

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program's inter-
disciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

**Degrees:** None  
**Tracks:** None  
**Minors:** Africana Studies

**American Studies: Program**  
**Contact:** Delia Garcia  
CNH 201; 407-823-3312  

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

**Degrees:** None  
**Tracks:** None  
**Minors:** American Studies

**Asian Studies: Program**  
**Contact:** Humberto Lopez  
CNH523; 407-823-2472  

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Asian Studies

**Community Arts—PAVE: Program**  
**Program Director:** Byron Clercx  
VAB 117; 407-823-3145  

A minor in Community Arts–Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

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

**Department of English**  
**Chair:** Patrick Murphy  
CNH 405; 407-823-5596  
Email: english@ucf.edu  
http://www.english.ucf.edu/  

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

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration in degree plans.

**Degrees:** English (BA, MA), Creative Writing (MFA)  
**Tracks:** Literature, Creative Writing, Technical Communication  
**Minors:** Creative Writing, Digital Humanities, Florida Studies, Linguistics, Medieval/Renaissance, Technical Communication

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

**Faculty:** Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Fariess, Fernandez, Foster, French, Gannon, Gordon, Herlhy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner  

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.  

The Department participates in the programs in Women’s Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

**Degrees:** History (BA, MA, Accelerated MA)  
**Tracks:** None  
**Minors:** Diplomacy, Florida Studies, History, Middle Eastern Studies, Russian Studies

**Judaic Studies: Program**  
**Program Director:** Moshe Pelli  
CNH 415 E-J; 407-823-5039 or 823-5129  
Email: judaicst@ucf.edu  
http://www.judaicstudies.cah.ucf.edu  

**Faculty:** Hanson, Pelli  

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

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

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

**Latin American Studies: Program**  
**Program Director:** Consuelo Stebbins  
CNH 122; 407-823-1173  
Email: latinamerica@ucf.edu  
http://las.cah.ucf.edu/  

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers includ-
College of Arts and Humanities

ing, but not limited to education, government, journalism, foreign service, and community service, international trade, and public relations.

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakam Ozoglu
CNH 551; 407-823-2225
Email: hakam@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Interim Chair: Humberto Lopez
CNH 523; 407-823-2472
Email: filcult@ucf.edu
http://mll.cah.ucf.edu/


The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French, and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)
Tracks: None
Minors: French, Italian, Russian Studies, Spanish
Certificates: TEFL, Translation

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

Faculty: Cash, Coverston, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mandale, Park, Schippert, Stanlick, Strawser; Faculty Emeriti: Congdon, Flick

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities and Cultural Studies major, as well as minors in Philosophy, Humanities and Cultural Studies, Religion and Cultural Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities and Cultural Studies (BA)
Tracks: None
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

Department of Writing and Rhetoric
Chair: Elizabeth Wardle
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bell, Boydon, Bryan, Calkins, Cavanagh, Ethridge, Galbreath, Gomrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Kyle, Launier, Marinar, Martin, Owens, Pigg, Richardson, Ringfield, Rios, Roozen, Rounsaville, Schell, Schultz, Scott, Stack, Taylor, Tripp, Vie, Walls, Wardle, Weaver, Wolcott, Wright, Zemlinsky

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional digital and civic writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and Writing Across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

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

School of Performing Arts
Director: Jeffrey Moore

Music:
PAC M203; 407-823-2869; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chichurel, Harris, Heil, Helsinger, Ingram, Larthonox, Listengarten, McDonald, Niess, Routhier, Runnock, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollefson, Weaver, Wood; Professor Emeritus: Steay, Smith

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

College of Arts and Humanities

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: BFA, Musical Theatre; MFA, Acting, Theatre for Young Audiences
Minors: Dance, Theatre

School of Visual Arts and Design

Director: Byron Clercx
VAB 117; 407-823-2676
Email: svadamvisning@ucf.edu
http://svad.cah.ucf.edu/


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

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: BFA, Musical Theatre; MFA, Acting, Theatre for Young Audiences
Minors: Dance, Theatre

Women’s Studies: Program

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

Faculty: Preston-Sidler, Santana, Tweed

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

Degrees: BA (Interdisciplinary Studies)
Tracks: Women’s Studies Track in Interdisciplinary Studies
Minors: Women’s and Gender Studies

Certificate: Gender Studies

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA
College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181
Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187
Assistant Dean: Lynn Becker
BA1 101; 407-823-3493

Vision
UCFBusiness will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward
While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities.

As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

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

Pre-Major
Admission to the University of Central Florida does not imply admission to the College of Business Administration (CBA). We are a selective admission college. You must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   - Or if pre-accounting ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful in any business endeavor. It is important that students strive to thoroughly learn the material in this coursework as academic performance in the Primary Business Core is used to meet admission to the major standards.

The GEB 3003 Career Research and Planning class is designed to help students align their major and career interest. In this class students take self-assessments to identify career-related skills and interests. Based on their results, students perform research to identify and learn about a target career, target company(ies), and target entry-level jobs.

All of the above requirements (numbers 1-5) must be completed before beginning any Business Major.

How to Select Your Major

Now you are ready to select a business major based upon your interests and skills identified in the GEB 3003 class, and your experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, Finance, Management, and Marketing majors, interested candidates must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five classes. Additionally, a grade of at least a B “3.0” is required in the introductory course of your desired major and a minimum grade of C “2.0” is required in all business classes within the program. Upon admission into the Accounting, Finance, Management, and Marketing majors, students must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 GPA in the College to successfully complete the degree.

All students, upon successful completion of the Primary Business Core classes with a minimum GPA of 2.0 are eligible to enter the Economics, Real Estate and Integrated Business majors. Upon admission into the Economics, Real Estate, and Integrated Business majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree. For more information on these requirements, visit: http://business.ucf.edu/degree/bachelors-sciences-business-administration/accounting/

In addition to completing the requirements for their major, students must also complete the Secondary Business Core and the remaining three courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to ensure that you have a solid understanding of the various functions of business and the environment in which the enterprise operates. The Secondary Business Core culminates with our “Great Case Competition” which is part of our Strategic Management Course (MAN 4720) and has become a signature experience for all business students:
   a. GEB 3375: Introduction to International Business (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business (3 credit hours)
   c. MAR 3203: Supply Chain Management (3 credit hours)
   d. MAN 4720: Strategic Management/Capstone (3 credit hours)

2. The Professional Development Sequence: Students must also complete the professional development sequence that began with GEB 3003. The goal of the Professional Development curriculum is that students will research potential career opportunities and take steps to secure employment prior to graduation:
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

Student Load

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

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and State colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2233, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.

3. It is expected that all incoming transfer students, regardless of intended business major, will upon admission to the university have successfully completed the General Education Program and the Business Common Program prerequisites. Transfer students will attend an orientation session that will provide information regarding university and college policy, program requirements, and college culture.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.

5. Courses transferred must be formally evaluated for equivalency credit. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/state college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement

Office of Professional Development

Assistant Dean: Lynn Becker
BA2 101; 407-823-3493

The Office of Professional Development (OPD) is the primary office for undergraduate assistance in Career Counseling in the College of Business Administration. Any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Professional Development staff in BA2 101 or by calling 407-823-2185. Visit OPD’s home page at: http://business.ucf.edu/centers-institutes-office-of-professional-development/.

Programs and Degrees

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<td>Economics</td>
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<td>Integrated Business</td>
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<td>Real Estate</td>
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UNIVERSITY OF CENTRAL FLORIDA 87 Undergraduate Catalog 2015-2016
College of Business Administration

Departments and Programs
Kenneth G. Dixon School of Accounting

Director: Sean Robb
BA1 325D; 407-823-2871

Assistant to Director: M. Hampton
BA1 326; 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 and research excellence.
- Numerous scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of our accounting programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, Ph.D.)
Minors: Accounting (for Finance majors only)

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

Faculty: Aysun, Braun, Buhagiar, Caputo, Das, Dickie, Gibbs, Guild, Holfer, Milon, Schmidbauer, Scrogin, Soksin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: David.Scrogin@ucf.edu;
M. Caputo
BA2 302Q, 407-823-1405
N. Underwood
BA2 302N, 407-823-1403

Economic issues are prominent in business and government decision-making. Inflation, employment, health care, economic growth, pollution, poverty, and international economic relations are a few important economic issues. The primary strength of Economics is that it provides a logical, ordered way of analyzing a wide variety of problems. Undergraduate education in Economics equips individuals to understand and seek solutions to problems in business, public policy, and other areas.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BS degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BS Program is to provide a broad-based liberal education that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and provide the analytical skills that will allow solve problems.

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

Degrees: Business Economics (BSBA), Economics (BS)
Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate
Interim Chair and Director: P. Gregg
BA 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Ramanial, Smith, Strum, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits
- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance
Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management
Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Baz, Becker, Blendeke, Boettcher, Cleavenger, Combs, Connell, Crossley, Dagher, De George, Folger, Ford, Goodman, Harris, Holland, Jarley, Jones, Kutkut, Leo, McKenny, Nichols, O’Donnell, O’Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano, Wang, Whiting

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations. The curriculum is designed to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for Management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, personnel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.
Distinctive Benefits
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.

Degrees: Management (BSBA), Human Resources Management (MS)
Certificate: Entrepreneurship

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

Faculty: Bhardwaj, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Steiger, Stock, Tafaghodijami, Valdez, Wang, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 18 hours. This course of study provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits
- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer---you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club

Degrees: Marketing (BSBA)
Tracks: Marketing Management, Professional Selling
Minor: Marketing
Certificates: Professional Selling and Sales Management (for business majors other than marketing)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Academic Affairs:
Rose Taylor, 407-823-2016

Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-2835

Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385

Executive Director, Undergraduate Affairs and Partnerships:
Bryan Zugelder, 407-823-3723

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance
- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with fourteen Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLive
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
Admission to the College of Education and Human Performance

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e., an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are encouraged to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

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

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

Office of Undergraduate Affairs and Partnerships

Executive Director: Bryan Zugselder
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement
The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators, and partners.

Clinical Experiences

Assistant Director: Jodie Nichols
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early site-based experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

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

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and prerequisites (if applicable).

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

Internship I

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

Admission to Internship I

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

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

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic advisor. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional and Subject Area)
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student’s major
- Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission

Recruitment and Retention Program

Coordinator: Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

Minority Teacher Recruitment and Retention Program (MTRRP)

The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a teaching career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives

- Recruit and retain diverse students interested in joining the teaching profession
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community engagement

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF College of Education and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

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

Undergraduate Advising

Director, Undergraduate Affairs: Andrea Small
ED 110; 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at http://education.ucf.edu/ugrad/. Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

Graduation Requirements

To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium

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

The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences

Chair: Glenn Lambie
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579


The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offered include: Career and Technical Education; Counselor Education & School Psychology; Exceptional Student Education; and Higher Education & Policy Studies.

See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/cfcs/.

Department of Educational and Human Sciences

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


The Department of Educational and Human Sciences (EHS) offers courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one bachelor’s level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching, Human Performance, or Community Sport & Fitness. The Department also offers a number of graduate programs and provides graduate courses in educational research, measurement and statistics.
that are required courses or electives in a number of programs offered in other divisions in the college. In addition, the EHS Department offers both a Coaching and a Fitness Training Minor.

School of Teaching, Learning and Leadership

Director: Michael Hynes
ED 209-D; 407-823-1768
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and Coordinators:
Lindsay Archambault
ED 206-F; 407-823-2881
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-F; 407-823-0303
Janet Zajac
ED 223H, 407-823-0523


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, in the areas of Elementary Education (including Early Childhood Development and Education*), Secondary Education and Educational Leadership. The Elementary Education program has a track designed for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track). Upon completion of the Elementary Education – Education Track, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (French or Spanish). The Educational Leadership master’s programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendent.

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
Colleges of Engineering and Computer Science

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

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

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

Director, Academic Affairs: Kim A. Small
ENG1 281; 407-823-3466

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

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

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

Undergraduate Majors and Degrees

Aerospace Engineering BSAE
Civil Engineering BSCE
Computer Engineering BSPE
Computer Science BS
Construction Engineering BSConE
Electrical Engineering BSEE
Environmental Engineering BSVE
Industrial Engineering BSIE
Information Technology BS
Mechanical Engineering BSME

Accelerated BS/MS Degree Program
All of the Engineering and Computer Science departments except for the Department of Civil, Environmental, and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students’ development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

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

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

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

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who wish to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors Seminar (EGN 493H), three credit hours of Undergraduate Honors Thesis (EGN 497OH), plus three credit hours of Undergraduate Honors Thesis (EGN 497OH).

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

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

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership, Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College homepage at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program is found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG 211, 407-823-2841
http://www.cecs.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Nam, Nnadi, Oloufa, O’Riordan-Adjah, Radwan, Randall, Reinhart, Singh, Tatari, Wang, Whittaker, Yun, Zaurin

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. Attain prominence in key areas of Civil Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:
- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze data and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
The Construction Engineering Program

The Construction Engineering major is concerned primarily with the interactions with humans and their environment. There are prerequisites needed for the various project courses. Construction Engineering students are required to take a Project Design and Capstone Course. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design teams. The pre-requisites needed for the various project courses vary.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields.
- Show a commitment to ethical practice and professional development.
- Be successfully finished with all knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design teams. 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.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields.
- Show a commitment to ethical practice and professional development.
- Be successfully finished with all knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
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The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design teams. The pre-requisites needed for the various project courses vary.
Additional notes:
- The extra hours represent at least one additional semester of full-time enrollment.
- All majors completed will be indicated on the student’s transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: A Biological Science (3hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), and an Advanced Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, CWR 4633C, and ENV 4561 as part of Civil Engineering requirements.

Civil Engineering Major Pursuing Construction Engineering Additional Degree

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

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 26 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CGN 3700C (4hrs), TTE 3810 (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), CEG 4012 or TTE 4274 (3hrs), and a Civil Design course (3hrs). Students will have completed CWR 4633C and ENV 4561 as part of the Environmental Engineering requirements.

Department of Electrical Engineering and Computer Science

Computer Science Division

Chair: Gary T. Leavens
HEC 437D; 407-823-5373

Faculty: Abdallah, Angel, Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Foroosh, Glinos, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Minescu, Montenegro-Nedorost, Oroogi, Pattanaik, Qi, Shah, Stanley, Sukthankar, Turgut, Wocjan, A. Wu, Zhang, Zou

The Computer Science Program

The Computer Science (CS) program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition to the bachelor's degree programs, the division offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communication and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to these goals by producing graduates with a broad base of formal coursework. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolutionary computing, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, quantum computing, and virtual reality.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the Computer Science home page at http://www.cs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing systems technology, and for a lifetime of learning.

Program Educational Objectives

1. CS graduates participate as effective and productive team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications in their chosen careers.
2. CS graduates demonstrate the knowledge and skills to do advance studies and research in computer science and related engineering and scientific disciplines.

Student Outcomes

a. Apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
d. Function effectively on teams to accomplish a common goal.
e. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
f. Communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.
g. Analyze the local and global impact of computing on individuals, organizations and society.
h. Recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
i. Use current techniques, skills, and tools necessary for computing practices.
j. Apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
k. Apply design and development principles in the construction of software systems of varying complexity.
l. Demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
m. Demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology (IT) program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare students to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in programming, technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to communicate in the parlance of the industries in which they choose to work.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
College of Engineering and Computer Science

Program Educational Objectives

The objectives of the Information Technology Program at UCF are that:
1. Graduates demonstrate the technical competence necessary for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Student Outcomes

By graduation each student should be able to:

- Apply knowledge of computing and mathematics appropriate to the discipline.
- Analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- Function effectively on teams to accomplish a common goal.
- Understand professional, ethical, legal, security and social issues and responsibilities.
- Communicate effectively with a range of audiences.
- Analyze the local and global impact of computing on individuals, organizations, and society.
- Recognize the need for and an ability to engage in continuing professional development.
- Use current techniques, skills, and tools necessary for computing practice.
- Use and apply current technical concepts and practices in the core information technologies.
- Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
- Integrate IT-based solutions effectively into the user environment.
- Understand best practices and standards and their application.
- Assist in the creation of an effective project plan.

Electrical and Computer Engineering Division

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

Faculty: Abdolvand, Abichar, Atlia, Batarseh, Behal, Chan, DeMara, Edison, Elashhab, Fahim, Georgiopoulos, Gong, Haralambous, Jin, Jones, Lin, Liou, Malocha, Mikhael, Qu, Rahnava, Richie, Smaan, Suboh, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

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

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

The Computer Engineering Program

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

Mission

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

Program Educational Objectives

The objectives of the CpE Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.
2. Graduates will pursue advanced studies in the areas of computer engineering.
3. Graduates demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes

Graduates of the Computer Engineering program should attain:

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- 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.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3414C and EEL 4326C), Analog and Digital Signal Processing (EEL 4750), and Digital Communication Fundamentals (EEL 4352C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3132C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, control, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/energy electronics.

Mission

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering education.

Program Educational Objectives

The objectives of the EE Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.
2. Graduates will pursue advanced studies in the areas of electrical engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes

Graduates of the Electrical Engineering program should attain:

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- 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.
- An ability to function on multidisciplinary teams.
- An ability to communicate effectively.
- A knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Undergraduate Catalog 2015-2016
The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

A recognition of the need for, and an ability to engage in life-long learning.

A knowledge of contemporary issues.

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.

**Department of Electrical Engineering and Computer Science Policies and Procedures**

The Department’s website (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, graduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

**Department of Industrial Engineering and Management Systems**

Chair: Waldemar Karwowski

ENG2 312; 407-823-2204; Fax: 407-823-3413

**Faculty:** Biehl, Calabrese, Elshennawy, Hoekstra, Karwowski, Kotnour, Lee, McCauley, Mallaghasemi, Proctor, Rabelo, Reilly, Thomp-son, Xanthopoulos, Zheng

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course EIN 4891.

**Mission**

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging careers in leading public and private organizations, pursue advanced studies, or start-up their own businesses.

2. To provide employers with graduates who are technically competent, have fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.

3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

**Program Educational Objectives**

Within the first several years following graduation, Graduates should:

1. Be successfully employed in challenging or satisfying positions in the public or private sector.

2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.

3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

**Student Outcomes**

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.

b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.

c. Students will have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.

d. Students will have an ability to function on multidisciplinary teams.

e. Students will have an ability to identify, formulate and solve engineering problems.

f. Students will have an understanding of professional and ethical responsibility.

g. Students will have an ability to communicate effectively.

h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.

i. Students will have a recognition of the need for, and an ability to engage in life-long learning.

j. Students will have a knowledge of contemporary issues.

k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
Focus as life-long learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

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

Department of Mechanical and Aerospace Engineering
Chair: Yoav Peles
ENG1 307; 407-823-2416; Fax: 407-823-0208


The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical Engineering. The Aerospace Engineering program is designed to provide a broad-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, and heat transfer. Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and design optimization which culminate in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College, the mission of the Aerospace Engineering program is to provide the highest quality engineering education through cooperative efforts with regional aerospace industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the aerospace engineering field. Our graduates will be trained to be competitive in their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Mission: Mechanical Engineering
In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of aerospace engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
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d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
2. Professional Officer Course (POC) not offered by this department. AFROTC courses are listed under the academic discipline and earn a minor in Aerospace Studies. A major is Students enrolled in the Air Force ROTC program may major in any Curriculum program can also be found on the UCF AFROTC home page at LaBrecque, Technical Staff Sergeant Justin Tiffin, Staff Sergeant Brianna Horton, and Mrs. Ellen McDade, Office Manager. The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the Air Force. Currently, AFROTC primarily commissions officers for Active Duty with limited Reserve commissioning opportunities. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. Students enrolled in SECAF qualified technical and non-technical majors are permitted five years to complete the AFROTC program. Students seeking to earn an Air Force commission participate in mandatory classroom academic courses, laboratory work, and physical conditioning from the start of AFROTC until graduation/commissioning. The Department of Aerospace Studies also offers a "Cross-Town" program allowing local community college students to begin the Air Force ROTC program while dual enrolled in a designated college for their undergraduate degree classes and at UCF as a non-degree seeking student for their Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com. Curriculum Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:

1. General Military Course (GMC) - The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the U.S. Air Force, and the development of air, space, and cyber power into a prime element of American national security. Full or partial GMC credit for prior service, and other past experiences are not guaranteed and are granted on a case-by-case by the Professor of Aerospace Studies.

2. Professional Officer Course (POC) - The Professional Officer Course is designed to develop and hone managerial and officer skills during a cadet's junior and senior years. All cadets who seek a commission through the Air Force ROTC must complete the 2-year 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.

Requirements for entry into the POC:
- Be at least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce other Non-US citizenship, if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29, or
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waiverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Achieve a cumulative GPA of 2.5 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Quality to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

Leadership Laboratory Leadership Laboratory is 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.

Physical Conditioning In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus at least two days each week.

Air Force ROTC Scholarship Program Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships can provide for full tuition and fees including an allowance for textbooks. Air Force ROTC scholarships do not provide funds for room and board expenses. For additional information on Air Force ROTC call 407-823-1247 or visit our website at http://airforce.ucf.edu or email us at AFROTC@ucf.edu. This information is subject to change.

Monetary Allowance All scholarship and contract cadets receive a monthly, tax-free monetary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the cadet's academic classification. See http://www.afrotc.com for current rates.

Summer Training All students must complete a 24-day summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL (usually between the sophomore and junior years) prior to their enrollment in the POC. This course includes junior officer training, officer career orientation, physical conditioning, and training for operations from austere forward deployed locations.

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

Army ROTC (Military Science)

Chair: LTC Mario Johnson
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu

Faculty/Staff: MAJ Barajas, MSG McSwain, CPT Lehman, CPT Silva, SFC Owen, SFC Flanagan, SSG Farrell, SFC Reyes, John Gano, Kenton Stenrose, Reinaldo Morales, Lisa Brown, George Leonard, Veronica Hill, and Bettina Baca

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees.
Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase.

   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 3101C, MSL 3202C, MSL 4301C, MSL 4302C) consists of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Cadet Leaders Course at Fort Knox, Kentucky, normally between their junior and senior years.

   B. Requisites for Admission to the Advanced Course:

   - Successful completion of Basic Course or placement credit.
   - Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34).
   - Successful completion of an Army physical examination.
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer.
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen.
   - A minimum cumulative GPA of 2.8 is required for STEM and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 is required for scholarship consideration.

3. Monetary Allowance

   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. Scholarships

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

5. Placement Credit

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

6. Daytona Beach Campus Students

   These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6489. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses

1. Basic Course Summer Training (Cadet Initial Entry Training)

   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $600.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses

   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Cadet Leaders Course (CLC)

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/academiclearningcompacts.html
The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

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

General Requirements for the Bachelor’s Degree

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

### Programs and Degrees

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### Academic Advisement

**Undergraduate Student Services**

Director: Mariangelly Rente  
HPA2 115, 407-823-0010  
Email: hpainfo@ucf.edu

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

**College of Health and Public Affairs**

Dean: Michael L. Frumkin  
HPA1 365, 407-823-0171  
http://www.cohpa.ucf.edu

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

Associate Dean, Administration and Faculty Affairs: Dawn Oeljen  
HPA1 365, 407-823-0171

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

Associate Dean, Student/Personnel Affairs: Melvin Rogers  
HPA1 365; 407-823-0171
College of Health and Public Affairs

Department of Communication Sciences and Disorders

Chair: Richard Zraick
HPA2 101; 407-823-4798
http://www.cohpa.ucf.edu/csd

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

Faculty: Carson, DiNapoli, Dreiling, B. Ehren, T. Ehren, Fix, Harvey, Hoffman-Ruddy, Hostetter, Kent-Waish, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Ut, Vanryckeghem, Whiteside, Zraick

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to provide the necessary background for those who seek careers in health and human services; and 3) to allow those who graduate with a Bachelor’s degree required coursework to obtain licensure and employment as speech-language pathologists assistants.

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

In addition to course work in communication sciences and disorders, the department offers courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice

Interim Chair: Roberto Potter
HPA1 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service and private sector organizations. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MS, PhD)

Tracks: Scholars Track

Minors: Criminal Justice

Program: Senior Scholar Program


University of Central Florida

Department of Health Management and Informatics

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

Faculty: Chisholm, Cortelyou-Ward, Falen, Liu, Malvey, Noblin, D. Oetjen, R. Oetjen, Raffenaud, Ramirez, Robertson, Rotariu, Sampson, Ton, Unruh, Walden, Wan, Wessel, West

The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. In order to realize this mission the department has developed a series of core, required courses that are designed to prepare students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

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

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

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

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

Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The HIIM Program is a limited access program and requires a separate application to the program by March 1 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Kristen Schellhase
HPA2 118/119; 407-823-2214

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

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, and a minor in Health Sciences.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a bachelor of science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

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

Program in Health Sciences-Pre-Clinical Track

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

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

Program in Physical Therapy

The Department of Physical Therapy was established in 1972 and currently offers a Doctor of Physical Therapy Program. The Program in Physical Therapy is accredited by the Commission on Accreditation in Physical Therapy Education and the Board of Physical Therapy Examiners of the State of Florida. The curriculum is designed to provide students with an education that will enable them to become competent, ethical, entry-level physical therapists with excellent communication skills and the ability to work effectively in a variety of healthcare settings. The Program in Physical Therapy is committed to providing students with a comprehensive education that includes both theoretical and practical components. The program emphasizes the importance of evidence-based practice and professional development.

Degrees: Physical Therapy (Doctor of Physical Therapy)
Tracks: None
Minors: None

Program in Occupational Therapy

The Department of Occupational Therapy offers a Doctor of Occupational Therapy program. The program is accredited by the Occupational Therapy Accreditation Council (OTAAC) and the Accreditation Council for Occupational Therapy Education (ACOTE). The program is designed to prepare graduates for entry-level positions in occupational therapy practice. The curriculum includes coursework in psychology, anatomy, physiology, and pathology, as well as practical experiences in various settings such as hospitals, clinics, and community agencies. The program emphasizes the importance of evidence-based practice and professional development.

Degrees: Occupational Therapy (Doctor of Occupational Therapy)
Tracks: None
Minors: None

Program in Speech-Language Pathology

The Department of Speech-Language Pathology offers a Doctor of Audiology program. The program is accredited by the American Speech-Language-Hearing Association (ASHA) and the Commission on Accreditation (Cochlear Hearing System). The program is designed to prepare graduates for entry-level positions in speech-language pathology and audiology. The curriculum includes coursework in anatomy, physiology, and pathology, as well as practical experiences in various settings such as hospitals, clinics, and community agencies. The program emphasizes the importance of evidence-based practice and professional development.

Degrees: Audiology (Doctor of Audiology)
Tracks: None
Minors: None

Program in Health Professions

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, and a minor in Health Sciences.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a bachelor of science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

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

Program in Health Sciences-Pre-Clinical Track

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

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

Department of Legal Studies

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

Faculty: Bast, Beckman, Consolo, Cook, Fiesta, Fromang, Koblasz, Meltzer, Milton, Pons, Ravich, Schmidt, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The Legal Studies Program is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

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

School of Social Work

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

Faculty: Brown, Burg, Chapelle, Dillon, Dziegielewski, Gammonley, Gryglewicz, Hall, Jacinto, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Steen, Wharton, Withers, Yegidis

The UCF School of Social Work BSW Program (undergraduate social work program) prepares generalist social work students to become practitioners who promote optimal well-being, human rights, and social and economic justice. The school focuses on social change from a regional and global perspective with individuals, families, groups and communities in diverse practice settings. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children's Services

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

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

Director, Burnett School of Biomedical Sciences: Griffith Parks
COM 313J; 407-266-1101
Associate Dean for Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335C; 407-823-5932

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college's medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

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

The Burnett school is educating over 2,800 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology and Molecular and Cellular Biology. BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is approximately 420 M.D. students.

In addition to multiple facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

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<tr>
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College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all.

Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.
Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220

Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences

Director: Dorilyn Hitchcock
HPA2 339; 407-823-5220

Medical laboratory scientists are involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)

Director: Amanda Colee
HPA2 335A; 407-823-5932;
Reggie Calhoun
BBS 101G; 407-266-7119

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, university policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/academiclearningcompacts.html
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The Concurrent ASN to BSN program is a partnership between selected Florida College System institutions and UCF College of Nursing to allow simultaneous enrollment in both associate and baccalaureate nursing programs. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are primarily on line with some face to face classes offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research. It is offered in a mostly online format with two intensive on campus meetings during the academic year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, and DNP, programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access programs, and require a separate application to the College of Nursing.

Programs and Degrees
Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: Basic BSN, Accelerated BSN degree, RN-BSN, ASN to BSN Concurrent, AS to BSN, RN to MSN
Minors: None

General Requirements for the Bachelor’s Degree
- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

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

The College of Nursing Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/academiclearningcompacts.html
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

Associate Dean for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817

Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu

Faculty: Aboouraddy, Amezgua-Correa, Bass, Baudelet, Cerqua-Richardson, Chang, Christodouides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvest, Soileau, Stegeman, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree
Photonic Science and Engineering BSPSE

College Vision
Be the nation’s leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries, and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.
College Organization
The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has awarded MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).
CREOL has become an internationally recognized institute with 30 faculty members, 63 M.S. and Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program. The undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

Bachelor of Science in Photonics Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work is a small design team.

Mission
The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives
1. Graduates will grow in their role as photonic scientists and engineers in society leading to leadership within the profession.
2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
3. Graduates will pursue life-long learning in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes
Upon graduation, graduates will have:
1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. The ability to function on multidisciplinary teams.
5. The ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. The ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.
9. Recognition of the need for, and the ability to engage in life-long learning.
10. Knowledge of contemporary issues.
11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement
The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program
Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at: http://oeas.ucf.edu/academiclearningcompacts.html
Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for those students interested in enrolling in a law program. Law schools accept superior students with a good liberal arts or science background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with an emphasis in theory and critical thinking is typically suggested. 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. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/

Prehealth Professions

While there are specific courses that students need to master to enroll into a medical program, there is not a required major. The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the health sciences. Refer to the Biology Preprofessional Concentration for additional information. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

The College of Sciences 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 as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
## Programs and Degrees

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<td>Anthropology</td>
<td>Undergraduate Certificate</td>
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<tr>
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<td>Anthropology in Multicultural Studies</td>
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<td>Astronomy</td>
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<td>Behavioral Forensics</td>
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<td>Biology-Preprofessional</td>
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<tr>
<td>Biomedical Sciences</td>
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<td>Clinical Psychology</td>
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<td>Communication</td>
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<td>Communication and Conflict</td>
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<td>Computer Forensics</td>
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<td>Conservation Biology</td>
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<td>Corporate Communication</td>
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<td>Crime Scene Investigation</td>
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<td>Crime, Law, and Deviance</td>
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<td>Diplomacy</td>
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<td>Diversity &amp; Social Inequality</td>
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<tr>
<td>European Studies</td>
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<td>Forensic Science</td>
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<td>Global Peace &amp; Security Studies</td>
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<td>Health Communication</td>
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<td>Human Communication</td>
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<td>Industrial/Organizational Psychology</td>
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<td>Intelligence and National Security</td>
<td>Graduate Certificate</td>
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<td>International &amp; Global Studies</td>
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<td>Journalism</td>
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<td>Magazine Journalism</td>
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<td>Mass Communication</td>
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<td>Mass Culture &amp; Collective Behavior</td>
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<td>Mathematical Biology</td>
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<td>Mathematics</td>
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<td>Medical Sociology</td>
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<td>Nanoscale Science and Technology</td>
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<td>Physics</td>
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<td>Political Science-Pre Law</td>
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<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<tr>
<td>Radio-Television</td>
<td>BA</td>
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<td>SAS Data Mining</td>
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<td>Security Studies</td>
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<tr>
<td>Social Sciences</td>
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<tr>
<td>Sociology</td>
<td>BS, MA, PhD, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Terrorism Studies</td>
<td>Minor</td>
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## Departments, Schools, and Programs

### Department of Anthropology

**Chair:** Graham Worthy  
**BL 301: 407-823-1333**  
**Email:** biology@ucf.edu  
**http://biology.cos.ucf.edu/**  
**Associate Chair:** Laurie von Kalm  
**Undergraduate Coordinator:** Eric Hoffman

Please see the department website for a listing of the department’s faculty and staff.

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in 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 subspecialty. 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 (BS, MS)  
**Concentration:** Pre-professional (BS)  
**Minors:** Biology  
**Certificate:** Conservation Biology (graduate)

### Department of Chemistry

**Chair:** Cherie Yestrebsky  
**PS 255: 407-823-2246**  
**Email:** chemstaff@ucf.edu  
**http://chem.cos.ucf.edu/**  
**Associate Chair and Undergraduate Coordinator:** Pedro Patino  
**Undergraduate Coordinator:** Forensic Science: Gerald Mattson

Please see the department website for a listing of the department’s faculty and staff.

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

**Degrees:** Chemistry (BS, MS, PhD), Forensic Science (BS, MS)  
**Tracks:** Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)  
**Minors:** Chemistry
Nicholson School of Communication

Director: TBA
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681
Email: nassc@ucf.edu

Please see the department website for a listing of the department’s faculty and staff.

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offers Bachelor of Arts degrees. The degrees are:

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

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presenational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Communication and Conflict (BA), Human Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Generalist, Electronic Journalism, Print/ Digital Journalism, Production
Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication
Certificate: Corporate Communication (graduate)

Department of Mathematics

Chair: Xin Li
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu

Associate Chair: Joseph P. Brennan
MSB 212; 407-823-2710

Assistant Chair: Tammy M. Muhs
MSB 215A; 407-823-4424

Undergraduate Coordinator: Constance M. Schober
MSB 312; 407-823-6284

Please see the department website for a listing of the department’s faculty and staff.

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology

Department of Physics

Chair: Talat Rahman
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012

Undergraduate Coordinator: Elena Filtsiyan
PS 430; 407-823-2325

Please see the department website for a listing of the department’s faculty and staff.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

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

Department of Political Science

Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Assistant Chair: Barbara Kinsey
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
The Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields. 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 presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personal faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees: Sociology (BA, MA, PhD), Social Sciences (BS)
Tracks: Domestic Violence (MA)
Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics
Chair: David Nickerson
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department's faculty and staff.

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)
Tracks: Data Mining (MS)
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Undergraduate Studies
Interim Vice Provost and Dean: Manoj Chopra
MH 218; 407-823-2373
http://www.undergrad.ucf.edu
Interim Associate Dean: Heath Martin
MH 210; 407-823-2691

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

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide a timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

Bachelor of Applied Science
Interim Vice Provost and Dean: Manoj Chopra
MH 218; 407-823-2373
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
College of Undergraduate Studies

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

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

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

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

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies,
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

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

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

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

UCF offers numerous opportunities for undergraduates to pursue research and creative projects in various disciplines with the guidance of a faculty mentor. This intensive opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, creative, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. The office offers programming to help students get involved such as the first-year LEARN program, pre-research courses, workshops, and peer advising and also hosts programs to enhance the research experience for students including the Showcase of Undergraduate Research Excellence, UCF Undergraduate Research Journal, summer fellowships, and student grants.

EXCEL Program
Director: Melissa Dagley
MSB 230; 407-823-6230
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL, mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Office
Director: TBA
MSB 230; 407-823-6230
http://qep.ucf.edu

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing an initiative that supports student learning in a well-defined and focused area. In 2006, UCF selected information fluency (IF) as its QEP topic. The Quality Enhancement Plan Office actively supports faculty development, funds curricular and co-curricular projects that promote information fluency, publishes the Journal of Information Fluency, and hosts the annual Information Fluency conference.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://oeas.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA
Rosen College of Hospitality Management

Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Dean: Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty:

The hospitality industry is the second largest employer in the United States and represents the majority of the economy’s rapidly growing service sector. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry and beyond. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

Over 55 million tourists visit Orlando each year, an international destination with over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As the most visited location in the United States, Orlando’s hospitality & tourism industry is the region’s largest employer, supplying approximately 360,000 jobs with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills and abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that’s transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant and Food Service Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
- Access to global hospitality organizations that serve one of the world’s premier tourist destinations.
- Extensive ties to top leaders in the Orlando area hospitality industry.
- A large number of scholarships provided through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A highly engaged faculty with vast industry knowledge and connections.
- A work requirement that provides students with practical experiences in the hospitality industry.
- Outstanding internship opportunities.
- A modern food production laboratory and beer and wine laboratory completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

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

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

Minor:
- Hospitality Management; Event Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/academiclearningcompacts.html
Accounting
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science B.A.S. - A.S. to B.A.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biology - Preprofessional Concentration
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication & Conflict
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar's Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary
Track 2: Early Childhood Development
Track 3: Early Childhood Careers
Economics
Economics, Business
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Environmental Engineering
Event Management
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Human Communication
Humanities and Cultural Studies
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Integrated Business
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Journalism
Latin American Studies
Legal Studies
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - Concurrent A.S.N. to B.S.N. enrollment option
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religion and Cultural Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
UCF Legal Studies/Barry Law/Touro Law
Accelerated Legal Studies Degree Program
World Languages Education - French
World Languages Education - Spanish
Writing and Rhetoric
Accounting (B.S.B.A.)
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration I, Room: 325

http://business.ucf.edu/undergraduate-programs
Phone: 407-823-2871

The purpose of the Accounting B.S.B.A. degree is to prepare students to successfully gain admittance to our Accounting M.S.A./M.S.T. graduate degree program and become Certified Public Accountants (CPAs). Not eligible for a double degree with another College of Business Administration major. Accounting Minor is only open to Finance majors.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least “B” (3.0) in ACG 3131, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Accounting must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPA will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dropped as an Accounting major and/or College of Business student. A student who is dropped may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 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 Microeconomics 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs

3. Core Requirements: Basic Level (15 hrs)

Primary Core
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ECO 3411 Quantitative Business Tools I 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4404 Executing Your Career Plan 1 hr

4. Core Requirements: Advanced Level (49 hrs)

Primary Core
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ECO 3401 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4404 Executing Your Career Plan 1 hr

Required courses for major: 21 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Advanced Issues in Financial Accounting 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives (6 hrs)

Business Electives
- Select two upper level business courses

6. Capstone Requirements (3 hrs)
- An approved Intent to Graduate must be on file in order to register for MAN 4720.
- MAN 4720 Strategic Management 3 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
UCF Degree Programs

8. Electives
   ■ Variable
9. Additional Requirements
   ■ None
10. Required Minors
    ■ None
11. Departmental Exit Requirements
    ■ A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.
12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
■ 120
Honors In Major
■ Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
■ Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
Requirements:
■ Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
  Take all of the following sequences:
  ACG 4903H Honors Directed Reading I or 3 hrs
  ACG 4904H Honors Directed Reading II 3 hrs
  and
  ACG 4907H Undergraduate Honors Thesis 3 hrs
Related Programs
■ None
Certificates
■ None
Related Minors
■ None
Advising Notes
■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
■ Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
Acceptable Substitutes for Transfer Courses
■ None
Plan of Study
■ General electives as required to earn 120 credit hours
Freshman Year - Fall 15 hrs
   ENC 1101 Composition I 3 hrs
   MAC 1105C College Algebra 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   Cultural Foundation I 3 hrs
   Elective 3 hrs
Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   Social Foundation 3 hrs
   Elective 3 hrs
   Elective 3 hrs
Sophomore Year - Fall 15 hrs
   ACG 2021 Principles of Financial Accounting 3 hrs
   SPC 1608 Fundamentals of Oral Communication 3 hrs
   Science 3 hrs
   Historical Foundation I 3 hrs
   Elective 3 hrs
Sophomore Year - Spring 15 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ECO 3401 Quantitative Business Tools I 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   Historical Foundation II 3 hrs
   Science 3 hrs
Junior Year - Fall 16 hrs
   ACG 3131 Intermediate Financial Accounting I 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAR 3023 Marketing 3 hrs
   ECO 3441 Quantitative Business Tools II 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   GEB 3003 Career Research & Planning 1 hr
   GEB 3005 Career Search Strategy 1 hr
   Elective 2 hrs
   Elective 3 hrs
Junior Year - Spring 15 hrs
   ACG 3141 Intermediate Financial Accounting II 3 hrs
   ACG 3361 Cost Accounting I 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   ECO 3441 Quantitative Business Tools II 3 hrs
   GEB 3005 Career Search Strategy 1 hr
   Elective 2 hrs
Senior Year - Fall 16 hrs
   ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   ACG 4401C Accounting Information Systems 3 hrs
   BUL 3130 Legal and Ethical Environment of Business 3 hrs
   MAR 3203 Supply Chain and Operations Management 3 hrs
   GEB 3375 Introduction to International Business 3 hrs
   GEB 4223 Business Interviewing Techniques 1 hr
Senior Year - Spring 13 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs
   ACG 4651 Auditing 3 hrs
   ACG 4803 Advanced Issues in Financial Accounting 3 hrs
   MAN 4720 Strategic Management 3 hrs
   GEB 4004 Executing Your Career Plan 1 hr
Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/academiclearningcompacts.html
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication,
NSC, Room: 143

http://communication.cos.ucf.edu

Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

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

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

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

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select either 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   Select two courses from group B 2. 6 hrs

   C: Mathematical Foundations (6 hrs)
   Math 3 hrs
   Suggested MGF 1106 Finite Mathematics or STA 2014C Principles of Statistics or STA 2023C Principles of Statistics or STA 2033C Principles of Statistics 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or STA 2014C Principles of Statistics or STA 2023C Principles of Statistics or STA 2033C Principles of Statistics 3 hrs
   May substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics 3 hrs
   Required STA 2014C Principles of Statistics or STA 2023C Principles of Statistics or STA 2033C Principles of Statistics or STA 2043C Principles of Statistics 3 hrs
   May substitute a more advanced STA course.

   D: Social Foundations (6 hrs)
   Economics 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Macroeconomics or ECO 2033 Principles of Microeconomics or ECO 2043 Principles of Microeconomics 3 hrs
   Social Sciences 3 hrs
   Required ANT 2000 General Anthropology or ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics or ECO 2033 Principles of Microeconomics or ECO 2043 Principles of Microeconomics 3 hrs
   Required PSY 2012 General Psychology or SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations or SPC 1603C Fundamentals of Technical Presentations 3 hrs
   Required SYG 2000 Introduction to Sociology or SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations or SPC 1603C Fundamentals of Technical Presentations 3 hrs

   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   Select either Economics course:
   ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select either Speech course:
   SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations
   SPC 1603C Fundamentals of Technical Presentations

   3. Core Requirements: Basic Level (6 hrs)
   All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
   Must be in progress or completed before applying to the program:
   Complete all of the following: 6 hrs
   For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program):
   ADV 3008 Principles of Advertising and PUR 4000 Public Relations 3 hrs
   May be completed before or after admission to the program:
   Complete either economics class:
   ECO 2023 Principles of Microeconomics or ECO 2013 Principles of Macroeconomics
   ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

UCF Degree Programs

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
Complete either speech class
SPC 1608 Fundamentals of Oral Communication or GEP/CPP
SPC 1603C Fundamentals of Technical Presentations GEP/CPP

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

4. Core Requirements: Advanced Level (21 hrs)
Complete after admission to the program:
ADV 4101 Advertising Copywriting 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 4411 Ad-PR Campaigns 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
PUR 3100 Writing for Public Relations 3 hrs

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

5. Restricted Electives (12 hrs)
Select from the following after admission to the program:
PUR 3004 Public Relations and Society 3 hrs
ADV 4103 Radio-Television Advertising 3 hrs
ADV 4300 Advertising Media Planning 3 hrs
COM 3110 Business and Professional Communication 3 hrs
JOU 4700 Journalism Ethics 3 hrs
PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
PUR 4203 PR/Advertising Ethics and Law 3 hrs
PUR 4400 Crisis Communication 3 hrs
PUR 4110C Public Relations Publications 3 hrs
PUR 4801 Public Relations Case Studies 3 hrs
VIC 3001 Visual Communication 3 hrs

You may take either internship, but not both. 3 hrs
ADV 4941 Internship or 3 hrs
PUR 4941 Internship 3 hrs

6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
  MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall “C” GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.
Senior Year - Fall
15 hrs
ADV 3008  Principles of Advertising  3 hrs
GEP- Economics  3 hrs
GEP  3 hrs
GEP  3 hrs
Elective-take outside of NSC  3 hrs

Sophomore Year - Spring
15 hrs
Elective-take outside of NSC  3 hrs
PUR 4000  Public Relations  3 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs

Junior Year - Fall
15 hrs
Apply to program by Oct 1.
MMC 3420  Mass Media Research Methods  3 hrs
MMC 3630  Social Media as Mass Communication  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Junior Year - Spring
15 hrs
If admitted, take the following;
PUR 3100  Writing for Public Relations  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Senior Year - Fall
13 hrs
ADV 4101  Advertising Copywriting  3 hrs
Restricted Elective  3 hrs
Elective-take outside of NSC  4 hrs
Elective-take outside of NSC  3 hrs
Graduation Review

Senior Year - Spring
12 hrs
MMC 4411  Ad-PR Campaigns  3 hrs
Restricted Elective-Iternship  3 hrs
Free Elective-take outside of NSC  3 hrs
Free Elective-take outside of NSC  3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/academiclearningcompacts.html

Equipment Fees
• Part-Time Student: $22 per term
• Full-Time Student: $44 per term

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering 1, Room: 381
http://www.mae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
• Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
• Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

UCF Degree Programs

Degree Requirements
• Students in the Aerospace Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
• Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP).

1. UCF General Education Program (GEP) (38 hrs)
• The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I  3 hrs
Required ENC 1102 Composition II  3 hrs

Select 1:
Prefer SPC 1603C 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 2311C Calculus with Analytic Geometry I  4 hrs
Required STA 3032 Probability and Statistics for Engineers  3 hrs
UCF Degree Programs

D: Social Foundations (6 hrs)
Select 1:
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Suggested 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 an MAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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

1 A “C” (2.0) or better is required in this course.

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry 4 hrs
or-
First alternative: Select all of the following: 6 hrs
  CHM 2040 Chemistry Fundamentals I and 3 hrs
  CHM 2041 Chemistry Fundamentals II 3 hrs
or-
Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)

EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs

EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs

EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mae.ucf.edu/academics/undergraduate/

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

EAS 4700C Aerospace Design I 3 hrs
EAS 4710C Aerospace Design II 3 hrs

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

Graduation
- None

Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3990 Aerospace Career and Academic Faculty Advising I 0 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.
### Acceptable Substitutes for Transfer Courses

- **None**

### Plan of Study (128 hrs)

- **The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.**

#### Freshman Year - Fall

- EGS 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

#### Select 1: 4 hrs

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

#### Freshman Year - Spring

- 12 hrs
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Design of Aerospace Experiments 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- EML 4142 Heat Transfer 3 hrs

#### Senior Year - Spring

- 12 hrs
- EAS 4300 Aerothermodynamics of Propulsion 3 hrs
- EAS 4710C Aerospace Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Program Academic Learning Compacts

- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**

  [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

#### 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, john.schultz@ucf.edu
- Phone: 407-823-2227

#### UCF Degree Programs

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America, South America and the Caribbean.

#### Admission Requirements

- **None**

#### Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
- Students must maintain a grade of “C” (2.0) or better in all courses used for the major.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)

#### Math:

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

#### Statistics - Computers

- **3 hrs**
  - Suggested STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)

- Suggested ANT 2000 General Anthropology 3 hrs
- Select from GEP D.1 list 3 hrs

#### E: Science Foundations (6 hrs)

- Required ANT 2511 The Human Species 3 hrs
- Select from GEP E.1 list 3 hrs
2. Common Program Prerequisites (CPP)
   - See Transfer Notes for possible substitutes
   - See “Common Prerequisites” in the Transfer and Transitions Services section

3. Core Requirements: Basic Level (6 hrs)
   Core-Required, also satisfy the CPP

   Ant 2140 Archaeology and the Rise of Human Culture and Local Contexts  3 hrs
   Ant 2410 Cultural Anthropology: Global Perspectives, Local Contexts  3 hrs

   Take all of the following: 6 hrs
   Ant 2140 Archaeology and the Rise of Human Culture and Local Contexts  3 hrs
   Ant 2410 Cultural Anthropology: Global Perspectives, Local Contexts  3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   Select 1:
   - Ant 3145 Archaeology of Complex Societies or 3 hrs
   - Ant 3151 Archaeological Method and Theory  3 hrs

   Select 1:
   - Ant 4516 Human Biological Diversity or 3 hrs
   - Ant 4586C Human Origins  3 hrs

   5. Restricted Electives (24 hrs)

   Area Study 3 hrs
   Select one from the following courses:
   - Ant 3148 Life and Death in Ancient Egypt  3 hrs
   - Ant 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest  3 hrs
   - Ant 3158 Florida Archaeology  3 hrs
   - Ant 3160 Americas Before Columbus  3 hrs
   - Ant 3161 Ancient Mexico: Aztec to Zapotec  3 hrs
   - Ant 3163 Mesoamerican Archaeology  3 hrs
   - Ant 3164 Ancient Incas  3 hrs
   - Ant 3165 Archaeology of South America  3 hrs
   - Ant 3168 Maya Archaeology  3 hrs
   - Ant 3177 Archaeology of Caribbean Piracy  3 hrs
   - Ant 3311 Indians of the Southeastern United States  3 hrs
   - Ant 3312 Ethnology of North American Indians  3 hrs
   - Ant 3313 Indians of North America High Plains  3 hrs
   - Ant 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas  3 hrs
   - Ant 3362 Peoples of Southeast Asia  3 hrs
   - Ant 4153 North American Archaeology  3 hrs
   - Ant 4332 People and Cultures of Latin America  3 hrs
   - Ant 4340 Caribbean Cultures  3 hrs
   - Ant 4352 African Societies and Cultures  3 hrs

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

   Only one of the following may be taken:
   - Ant 3115 Archaeological Method and Theory or 3 hrs
   - Ant 3145 Archaeology of Complex Societies  3 hrs

   Only one of the following may be taken:
   - Ant 4516 Human Biological Diversity or 3 hrs
   - Ant 4586C Human Origins  3 hrs

   Only one of the following may be taken:
   - Ant 3905 Directed Independent Study or 1 hr
   - Ant 3955 Study Abroad or 1 hr
   - Ant 3943 Caribbean Archaeology Practicum or 3 hrs
   - Ant 4180C Seminar in Laboratory Analysis or 3 hrs
   - Ant 4824 Advanced Archaeological Fieldwork or 9 hrs
   - Ant 4906 Directed Independent Study or 1 hr
   - Ant 4912 Directed Independent Research or 1 hr
   - Ant 4955 Study Abroad or 1 hr
   - Ang 5822 Maya Field Research or 3 hrs
   - Ang 5907 Independent Study or 1 hr
   - Ang 5917 Directed Research  1 hr

   None of the following may be taken:
   - Ant 4903H Honors Directed Reading I or 1 hr
   - Ant 4904H Honors Directed Reading II or 1 hr
   - Ant 4970H Undergraduate Honors Thesis  1 hr

   Any of the following may be taken:
   - Ant 2511L Physical Anthropology Lab  1 hr
   - Ant 3026 Mummies, Zombies, and Vampires: 3 hrs
   - Anthropology of the Undead
   - Ant 3106 Archaeology and Popular Culture  3 hrs
   - Ant 3142 Old World Prehistory  3 hrs
   - Ant 3173 Archaeology of Sex  3 hrs
   - Ant 3173 Archaeology of Sex  3 hrs
   - Ant 3212 Peoples of the World  3 hrs
   - Ant 3241 Magic, Ritual, and Belief  3 hrs
   - Ant 3245 Native American Religions  3 hrs
   - Ant 3262 Rural Society  3 hrs
   - Ant 3273 Law and Culture  3 hrs
   - Ant 3302 Sex, Gender and Culture  3 hrs
   - Ant 3330 Anthropology of the Amazon  3 hrs
   - Ant 3393 American Indian Literature and Culture in Florida  3 hrs
   - Ant 3398 Black/Seminole Relations  3 hrs
   - Ant 3541 Biobehavioral Anthropology  3 hrs
   - Ant 3550C Primatology  3 hrs
   - Ant 3701 Engagement & Social Change: Public Anthropology  3 hrs
   - Ant 4027 Mummies, Life After Death  3 hrs
   - Ant 4013 Anthropology of Fast Food  3 hrs
   1 Ant 4183 Archaeological Sciences  3 hrs
   1 Ant 4184 Mortuary Archaeology  3 hrs
   - Ant 4266 Economic Anthropology: Production, Consumption, and Exchange  3 hrs
   1 Ant 4303 Anthropology of Tourism  3 hrs
   - Ant 4408 Culture, Disease, and Healing  3 hrs
   - Ant 4462 Medical Anthropology  3 hrs
   1 Ant 4467 Nutritional Anthropology  3 hrs
   - Ant 4521 Forensic Anthropology  3 hrs
   - Ant 4525C Human Osteology  4 hrs
   - Ant 4560 Birth to Death: Anthropological Perspectives on Human Growth  3 hrs
   1 Ant 4702 Culture, Inequality and Global Development  3 hrs
   - Ant 4802 Ethnographic Field Methods  3 hrs
   - Ang 5169 Problems in Maya Studies  3 hrs
   Ang 5167 Maya Hieroglyphs  3 hrs
   Ang 5228 Maya Iconography  3 hrs
   Ang 5742 Problems in Forensic Anthropology  3 hrs

1 Alternatively, seniors may select the 5000 level equivalent, but not both.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language.
   - Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
   - A grade of “C” (2.0) or better in all courses used for the major.
   - Students will be required to take a standard exit exam.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
### UNIVERSITY OF CENTRAL FLORIDA

#### Freshman Year - Fall
- **ANT 2000** General Anthropology
- **ENC 1101** Composition I
- **COM 1000** Introduction to Communication
- **GEP-Math**
- **GEP** 3 hrs

#### Sophomore Year - Fall
- **ANT 2511** The Human Species
- **ENC 1102** Composition II
- **GEP**
- **GEP**
- **GEP**

#### Sophomore Year - Spring
- **ANT 2140** Archaeology and the Rise of Human Culture
- **ANT 2511** The Human Species
- **ANT 2410** Cultural Anthropology: Global Perspectives, Local Contexts
- **Restricted Elective**
- **GEP**
- **Free Elective**

#### Junior Year - Fall
- **Select 1:**
  - **ANT 3115** Archaeological Method and Theory or
  - **ANT 3145** Archaeology of Complex Societies
  - **Restricted Elective**
  - **Foreign Language**
  - **Restricted Elective**
  - **Elective / Minor**

#### Junior Year - Spring
- **ANT 4034** History of Anthropological Thought
- **Restricted Elective**
- **Foreign Language**
- **Elective / Minor**
- **Elective / Minor**

#### Senior Year - Fall
- **Select 1:**
  - **ANT 4516** Human Biological Diversity or
  - **ANT 4586C** Human Origins
  - **Restricted Elective**
  - **Elective / Minor**
  - **Elective / Minor**
  - **Free Elective**

#### Senior Year - Spring
- **Free Elective**
- **Area Study Elective**
- **Free Elective**
- **Elective / Minor**
- **Elective / Minor**

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### Architecture (B.Des.)
**College of Arts and Humanities**
**School of Visual Arts and Design**
(This program is offered at UCF at the Valencia West Campus)
[http://architecture.ucf.edu/](http://architecture.ucf.edu/)
**Email:** architecture@ucf.edu
Phone: 407-582-5500

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.
ADMISSION REQUIREMENTS

- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.
- Successful completion of PHY 2053 with a "C" (2.0) or better is required.

DEGREE REQUIREMENTS

- Students who change degree programs and select this major must adopt the current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.0.
- Co-op credit cannot be used in this major.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Completion of at least 120 semester hours of coursework, including all required courses.
- No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

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

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (34 hrs)

- A.A. Courses (completed in the A.A. in Architecture from Valencia College).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in Valencia College's architecture program but required for the B.Des. at UCF. See courses below.

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

4. Core Requirements: Advanced Level (45 hrs)

- Completed as part of the Bachelor of Design program at UCF.

ARC 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

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives (10 hrs)

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

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- Public and Professional Writing

Related Minors

- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

Advising Notes

- http://svad.cah.ucf.edu/students
- architecture@ucf.edu

Transfer Notes

- Grades less than a “C” (2.0) are not accepted.
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution meet have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

ARC 3320 Architectural Design 5 6 hrs
ARC 4620 Environmental Technology 2 3 hrs
### Plan of Study

#### Freshman Year - Fall
- ARC 1301: Architectural Design 01 (Valencia College) 4 hrs
- ARC 1701: Architectural History 01 (Valencia College) 3 hrs
- ENC 1101: Composition I 3 hrs
- MAC 1140C: Pre-Calculus Algebra 3 hrs

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

#### Sophomore Year - Fall
- ARC 2303: Architectural Design 03 (Valencia College) 5 hrs
- ARC 2702: Architectural History 02 (Valencia College) 3 hrs
- ARC 2461: Material and Methods of Construction (Valencia College) 4 hrs
- MAC 1114C: College Trigonometry 3 hrs
- PHY 1053C: Introductory Physics 01 4 hrs

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

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

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

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

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

#### Senior Year - Spring
- ARC 4323L: Architectural Design 8 hrs
- ARC 3483: Materials and Methods of Construction 3 hrs
- Upper Division Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Full-Time Student: $90 per term

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**Art - Emerging Media Track (B.F.A.)**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**


**Email:** svadadvising@ucf.edu

**Phone:** 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:

- Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website ([http://cstore.ucf.edu/](http://cstore.ucf.edu/)) for the minimum hardware and software specifications.

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**UCF Degree Programs**

**Admission Requirements**
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course except DIG 2000, which requires a “B” (3.0) or better.
- BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

#### 1. UCF General Education Program (GEP) (37 hrs)

**A: Communication Foundations** (9 hrs)

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

**Take all of the following:**

- Required ARH 2050: History of Western Art I and 3 hrs
- Required ARH 2051: History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs

**C: Mathematical Foundations** (7 hrs)

**Take all of the following:**

- Required MAC 1105C: College Algebra and 3 hrs
- Required COP 2500C: Concepts in Computer Science 4 hrs

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050 History of Western Art I  GEP
ARH 2051 History of Western Art II  GEP
ART 2200C Design Fundamentals-Two Dimensional  3 hrs
ART 2203C Design Fundamentals-Three Dimensional  3 hrs
ART 2300C Drawing Fundamentals I  3 hrs
ART 2301C Drawing Fundamentals II  3 hrs
GRA 2101C Introduction to Computer Art  3 hrs

Any ART prefix, studio, or media courses at the 2000-4000 levels

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

3. Core Requirements: Basic Level (18 hrs)

ARH 2500 History of Non-Western Art  3 hrs
ART 2823 Art as Interface  3 hrs
COP 2500C Concepts in Computer Science  GEP
ART 2200C Design Fundamentals-Two Dimensional  3 hrs
ART 2300C Drawing Fundamentals I  3 hrs
GRA 3102C Intermediate Graphic Design I  3 hrs
GRA 3112C Intermediate Graphic Design II  3 hrs
GRA 3202C Type & Design  3 hrs
GRA 3950 Graphic Design Portfolio Application  0 hrs
DIG 2000 Introduction to Digital Media  3 hrs
DIG 2030C Digital Video Fundamentals  3 hrs
DIG 2109C Digital Imaging Fundamentals  3 hrs
DIG 2500C Fundamentals of Interactive Design  3 hrs

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

4. Core Requirements: Advanced Level (12 hrs)

DIG 3024 Digital Cultures & Narrative  3 hrs
DIG 3680C Computer as a Medium  3 hrs
DIG 3525 Digital Media Production I  3 hrs
DIG 4780C Modeling for Realtime Systems  3 hrs

DIG courses or any 3000 or 4000 level course approved by the School.

5. Restricted Electives (39 hrs)

Specializations

- Graphic Design
  - Graphic Design Basic Concentration - 18 hours
    GRA 3950 Graphic Design Portfolio Application  0 hrs
    GRA 3102C Intermediate Graphic Design I  3 hrs
    GRA 3112C Intermediate Graphic Design II  3 hrs
    GRA 3202C Type & Design  3 hrs
  - Graphic Design - Restricted Electives - 21 hours
    Complete 21 hours of credits from the following areas:
    - Character Animation - 9 hrs
    - Experimental Animation - 12 hrs

- Character Animation - 39 hrs
  - All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando
  - Character Animation Core - 15 hours
    DIG 3951 Character Animation Portfolio Review  0 hrs
    ART 3643C Digital Effects & Compositing  3 hrs
    DIG 4325C Look Modeling Workshop  3 hrs
    DIG 4326C Geometrical Modeling Workshop  3 hrs
    FIL 3720C Introduction to Animation  3 hrs
    FIL 3734C Intermediate Animation  3 hrs
  - Character Animation Basic Concentration - 24 hours
    DIG 3352C Artificial Environments and Effects  3 hrs
    DIG 3433C Visual Storytelling and Visual Development  3 hrs
    DIG 4206C New Imagery in Motion Workshop  3 hrs
    DIG 4358C Artificial Environments and Effects  3 hrs
    DIG 4394C Motion Graphics: Advanced Compositing  3 hrs
    DIG 4434C Narrative Techniques in the Moving Image Workshop  3 hrs
    DIG 4451C Visual Storytelling and Visual Development Workshop  3 hrs
    DIG 4486C Visual Language of Moving Image II  3 hrs

- Experimental Animation - 39 hrs
  - Experimental Animation Core - 18 hours
    ART 3950 Portfolio Review  0 hrs
    ART 3643C Digital Effects & Compositing  3 hrs
    DIG 4325C Look Modeling Workshop  3 hrs
    DIG 4326C Geometrical Modeling Workshop  3 hrs
    FIL 3720C Introduction to Animation  3 hrs
    FIL 3734C Intermediate Animation  3 hrs
    ART 4935 BFA Exhibit/Seminar  3 hrs
    Only offered in Spring semester.

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

- Maintain at least a “B” (3.0) GPA in all major requirements.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 124

Honors In Major

- None

Related Programs

- Art
- English - Technical Communication

Certificates

- None

Related Minors

- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes

- http://svad.cah.ucf.edu/students
- s vadadvising@ucf.edu

Transfer Notes

- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None
### Plan of Study

#### Character Animation

**Freshman Year - Fall**
- ARH 2050 History of Western Art I 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Science Foundation 3 hrs

**Sophomore Year - Fall**
- ART 2304C Digital Cultures & Narrative 3 hrs
- ART 2305C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

**Junior Year - Fall**
- ART 2823 Art as Interface 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

**Senior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

**Freshman Year - Summer**
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Science Foundation 3 hrs

**Sophomore Year - Summer**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

**Junior Year - Summer**
- Restricted Elective 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Communication Foundation 3 hrs

**Senior Year - Summer**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Experimental Animation

**Freshman Year - Fall**
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Sophomore Year - Fall**
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- COP 2500C Concepts in Computer Science 4 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- ENC 1102 Composition I 3 hrs

**Junior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
# UCF Degree Programs

## Sophomore Year - Summer
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

## Junior Year - Fall
- **ARH 2500** History of Non-Western Art 3 hrs
- **DIG 3480C** Computer as a Medium 3 hrs
- **GRA 3102C** Intermediate Graphic Design I 3 hrs
- **GRA 3202C** Type & Design 3 hrs
- **GRA 3950** Graphic Design Portfolio Application 0 hrs
- **Any 2000-4000 Level Art Studio or Media Course** 3 hrs

## Junior Year - Spring
- **DIG 4780C** Modeling for Realtime Systems 3 hrs
- **GRA 4112C** Intermediate Graphic Design II 3 hrs
- **GRA 3803C** Intermediate Computer Graphic Design 3 hrs
- **Restricted Elective** 3 hrs
- **ARH Upper Level Restricted Elective** 3 hrs

## Senior Year - Fall
- **DIG 3024** Digital Cultures & Narrative 3 hrs
- **GRA 4196C** Advanced Graphic Design 3 hrs
- **ARH Upper Level Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs

## Senior Year - Spring
- **DIG 3525** Digital Media Production I 3 hrs
- **GRA 4107C** Special Problems in Graphic Design 3 hrs
- **Restricted Elective** 3 hrs
- **ARH Upper Level Restricted Elective** 3 hrs

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

## Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

## Art - History Track (B.A.)
### College of Arts and Humanities
### School of Visual Arts and Design,
### Visual Arts Building, Room: 117
### [http://svad.cah.ucf.edu/](http://svad.cah.ucf.edu/)
### Email: svadvising@ucf.edu
### Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

## Admission Requirements
- None

## Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.**
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

## 1. UCF General Education Program (GEP)
- **A: Communication Foundations (36 hrs)**
- **B: Cultural & Historical Foundations (9 hrs)**
  - Required **ARH 2050** History of Western Art I 3 hrs
  - Required **ARH 2051** History of Western Art II 3 hrs
  - **Select a course from group B.1** 3 hrs

## C: Mathematical Foundations
- **Math:**
  - **Statistics - Computers** 3 hrs
  - **Select a course from GEP C.2 list** 3 hrs

## D: Social Foundations
- **(6 hrs)**

## E: Science Foundations
- **(6 hrs)**

## 2. Common Program Prerequisites (CPP)
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
  - **ARH 2050** History of Western Art I 3 hrs
  - **ARH 2051** History of Western Art II 3 hrs
  - **ART 2001C** Design Fundamentals-Two Dimensional 3 hrs
  - **ART 2300C** Drawing Fundamentals I 3 hrs

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

## 4. Core Requirements: Advanced Level
- **ARH 4310** Italian Renaissance Art 3 hrs
- **ARH 4430** 19th Century Art 3 hrs
- **ARH 4450** 20th Century Art 3 hrs
- **ARH 4500** Theory and Criticism of the Visual Arts 3 hrs
- **ENC 3315** Argumentative Writing 3 hrs

## 5. Restricted Electives
- **(24 hrs)**
  - **Select one Non-Western/Ancient Art History course from the following:** 3 hrs
    - **ARH 3670** 20th Century Latin American Art 3 hrs
    - **ARH 4130** Greek Art and Architecture 3 hrs
    - **ARH 4150** Roman Art and Architecture 3 hrs
    - **ARH 4540** Art of India 3 hrs
    - **ARH 4653** Meso American Art 3 hrs
  - **One of the following courses:** 3 hrs
    - **ARH 4200** Medieval Art 3 hrs
    - **ARH 4350** Baroque Art 3 hrs
    - **ARH 4871** Women in Art 3 hrs
  - **Select 18 additional hours from the following:** 18 hrs
    - **ARH 3471** Art in the Last 25 Years 3 hrs
    - **ARH 3610** American Art 3 hrs
    - **ARH 3670** 20th Century Latin American Art 3 hrs
    - **ARH 3710** History of Photography I 3 hrs
    - **ARH 3713** 20th Century Photographic History 3 hrs
    - **ARH 3720** History of Prints 3 hrs
    - **ARH 3728** History of Illustration 3 hrs
    - **ARH 3820** Visual Arts Administration Vitas 3 hrs
    - **ARH 4130** Greek Art and Architecture 3 hrs
    - **ARH 4150** Roman Art and Architecture 3 hrs
    - **ARH 4200** Medieval Art 3 hrs
    - **ARH 4350** Baroque Art 3 hrs
    - **ARH 4352** Italian Baroque Art 3 hrs
    - **ARH 4653** Meso American Art 3 hrs
    - **ARH 4871** Women in Art 3 hrs
    - **ARH 5897** Advanced Seminar in Art History 3 hrs
    - **ARH 3XXX-4XXX Additional Art History course** 3 hrs

## 6. Capstone Requirements
- None

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

## Graduation
- Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "C" (2.0) GPA average in courses in the major.
- Computer Competency met by one of the following:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

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

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP Social Foundation 3 hrs
- GEP Mathematical Foundation 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Mathematical Foundation 3 hrs
- GEP Social Foundation 3 hrs

Freshman Year - Summer 8 hrs
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

Sophomore Year - Fall 15 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 3315 Argumentative Writing 3 hrs
- ARH Restricted Elective 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ART 3311 figural Drawing 3 hrs
- ENC 4490 Art History Survey 3 hrs
- ARH Restricted Elective 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs

Senior Year - Fall 15 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs
- ARH Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- ARH 4450 20th Century Art 3 hrs
- Elective 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs
- ARH Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Art Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
U CF Degree Programs

- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor, and an advisor in their studio specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (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) (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 2202C 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
   ARH 2050 History of Western Art I 3 hrs
   Select one course from group B.1 3 hrs
   Required ARH 2051 History of Western Art II and 3 hrs
   Select a course from group B.1 3 hrs
   C: Mathematical Foundations
   Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   Select 1: 3 hrs
   Prefer MGF 1106 Finite Mathematics or 3 hrs
   1 May be repeated for credit.
   (may substitute a higher level math)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

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

4. Core Requirements: Advanced Level
   ART 3950 Portfolio Review 0 hrs

5. Restricted Electives (42 hrs)
a. Specialization (18 hrs)
   - Select six upper division courses from one area:
     Book Arts
     ART 3170C Book Binding or 3 hrs
     ART 3171C Materials for Artist Books or 3 hrs
     ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
     ART 3176C The Illuminated Book or 3 hrs
     ART 3737C Narrative Sculpture or 3 hrs
     ART 4172C Book Repair and Restoration or 3 hrs
     ART 4173C The Artist Book or 3 hrs
     ART 4174C The Printed Book or 3 hrs
     ART 4177C Commercial Book Design and Publishing or 3 hrs
     ART 4644C Books Without Books 3 hrs
     Ceramics/Sculpture Combination
     ART 3761C Intermediate Ceramics or 3 hrs
     ART 3764C Ceramic Handbuilding I or 3 hrs
     1 ART 4783C Advanced Ceramics or 3 hrs
     ART 4786C Ceramic Raw Material or 3 hrs
     ART 3709C Intermediate Sculpture or 3 hrs
     1 ART 4710C Advanced Sculpture 3 hrs
     Drawing
     ART 3332C Intermediate Drawing or 3 hrs
     1 ART 4320C Advanced Drawing 3 hrs
     Drawing/Printmaking Combination
     ART 3332C Intermediate Drawing or 3 hrs
     1 ART 4320C Advanced Drawing or 3 hrs
     ART 3433C Screenprinting or 3 hrs
     1 ART 4402C Advanced Printmaking 3 hrs
     Drawing/ Illustration Combination
     ART 3332C Intermediate Drawing or 3 hrs
     1 ART 4320C Advanced Drawing or 3 hrs
     GRA 3747C Intermediate Illustration I or 3 hrs
     1 GRA 4154C Advanced Illustration 3 hrs
     Painting
     ART 3504C Intermediate Painting or 3 hrs
     1 ART 4505C Advanced Painting 3 hrs
     Photography
     PGY 3410C Intermediate Photography or 3 hrs
     1 PGY 4420C Advanced Photography or 3 hrs
     PGY 4440C Special Problems in Photography 3 hrs
     1 May be repeated for credit.

b. Electives in Art: 15 hrs
   - Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization: Book Arts, Ceramics, Drawing, Illustration, Painting, Printmaking, Sculpture, and Special Topics Studio Courses.
   - Select three upper division Art History courses or
   - Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   None
   Graduation
   Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements (3 hrs)
    - ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)
    - Maintain at least a “B” (3.0) GPA in all major requirements.
    - Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
    - Computer Competency met by STA 1063C or GRA 2101C.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
Plan of Study

Senior Year - Fall
- ARH Upper Level Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Upper Level Restricted Elective 3 hrs

Senior Year - Spring
- ART 4935 BFA Exhibit/Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Specialization Restricted Elective 3 hrs
- Upper Level Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Required ART 2823 Art as Interface 3 hrs
   Select a course from group B.1 3 hrs

University of Central Florida
### UCF Degree Programs

**Art History**

- **5. Restricted Electives (27 hrs)**
  - Select a course from GEP C.2 list

**Statistics - Computers**

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

**D: Social Foundations**

- **(6 hrs)**

**E: Science Foundations**

- **(6 hrs)**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I (GEP)</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II (GEP)</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional (3 hrs)</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional (3 hrs)</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I (3 hrs)</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II (3 hrs)</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art (3 hrs)</td>
</tr>
<tr>
<td>Any ART 2XXX-4XXX studio or media course. (3 hrs)</td>
<td></td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level (6 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art (3 hrs)</td>
</tr>
<tr>
<td>ART 2823</td>
<td>Art as Interface (3 hrs)</td>
</tr>
<tr>
<td>ART 3950</td>
<td>Portfolio Review (0 hrs)</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level**

- **None**

**5. Restricted Electives**

- **(27 hrs)**
  - Select nine upper division courses representative from at least three different areas:

**Art History**

- Any upper-level ARH course(s)

**Book Arts**

- ART 3170C | Book Binding (3 hrs) |
- ART 3171C | Materials for Artist Books (3 hrs) |
- ART 3175C | Advanced Issues in Contemporary Book Arts (3 hrs) |
- ART 3176C | The Illuminated Book (3 hrs) |
- 1 ART 3737C | Narrative Sculpture (3 hrs) |
- ART 4172C | Book Repair and Restoration (3 hrs) |
- ART 4173C | The Artist Book (3 hrs) |
- ART 4174C | The Printed Book (3 hrs) |
- ART 4177C | Commercial Book Design and Publishing (3 hrs) |
- 1 ART 4644C | Books Without Books (3 hrs) |

- **1 May be repeated for credit.**

**Ceramics**

- ART 3761C | Intermediate Ceramics (3 hrs) |
- 1 ART 4783C | Advanced Ceramics (3 hrs) |

- **1 May be repeated for credit.**

**Drawing and Printmaking**

- ART 3332C | Intermediate Drawing (3 hrs) |
- ART 3433C | Screenprinting (3 hrs) |
- 1 ART 4320C | Advanced Drawing (3 hrs) |
- 1 ART 4402C | Advanced Printmaking (3 hrs) |

- **1 May be repeated for credit.**

**Illustration**

- GRA 3747C | Intermediate Illustration I (3 hrs) |
- 1 GRA 4154C | Advanced Illustration (3 hrs) |

- **1 May be repeated for credit.**

**Painting**

- ART 3504C | Intermediate Painting (3 hrs) |
- 1 ART 4505C | Advanced Painting (3 hrs) |

- **1 May be repeated for credit.**

**Photography**

- PGY 3410C | Intermediate Photography (3 hrs) |
- 1 PGY 4420C | Advanced Photography (3 hrs) |
- PGY 4440C | Special Problems in Photography (3 hrs) |

- **1 May be repeated for credit.**

### Sculpture

- ART 3709C | Intermediate Sculpture (3 hrs) |
- 1 ART 4710C | Advanced Sculpture (3 hrs) |

- **1 May be repeated for credit.**

### Time Arts

- ART 3161 | Mixed Media (3 hrs) |
- ART 3833C | Processes and Ideas in Art (3 hrs) |
- ART 4634C | Web Art (3 hrs) |
- 1 FIL 4735C | Experimental Animation (3 hrs) |
- 1 FIL 4750C | Experimental Animation Workshop (3 hrs) |

- **1 May be repeated for credit.**

### 6. Capstone Requirements

- **None**

### 7. Foreign Language Requirements

**Admissions**

- **None**

**Graduation**

- **None**

**Standardized examinations for foreign languages may be used to meet the requirement.**

**8. Electives**

- **None**

**9. Additional Requirements**

- **None**

**10. Required Minors**

- **None**

**11. Departmental Exit Requirements**

- **Achieve at least a GPA (2.0) overall in courses within the major.**

**12. University Minimum Exit Requirements**

- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

### Total Semester Hours Required

- **120**

### Honors In Major

- **None**

### Related Programs

- **Art Education**
- **Art - Emerging Media Track**

### Certificates

- **None**

### Related Minors

- **Digital Media**

### Advising Notes

- **http://svad.cah.ucf.edu/students**
- **svadadvising@ucf.edu**

### Transfer Notes

- **Lower division courses do not substitute for upper division courses.**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.**

### Acceptable Substitutes for Transfer Courses

- **For common program prerequisites if taken.**

**GRA 2101C | Introduction to Computer Art (3 hrs)**
Plan of Study

Freshman Year - Fall 12 hrs
ARTH 2050 History of Western Art I 3 hrs
ENG 1101 Composition I 3 hrs
MCF 1106 Finite Mathematics 3 hrs
GEP Cultural & Historical Foundation 3 hrs

Freshman Year - Spring 15 hrs
ARTH 2051 History of Western Art II 3 hrs
ARTH 2201C Design Fundamentals-Two Dimensional 3 hrs
ARTH 2823 Art as Interface 3 hrs
ENG 1102 Composition II 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
ARTH 2500 History of Non-Western Art 3 hrs
ARTH 2203C Design Fundamentals-Three Dimensional 3 hrs
ARTH 2300C Drawing Fundamentals I 3 hrs
GEP Science Foundation 3 hrs
GEP Social Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ARTH 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
GEP Communication Foundation 3 hrs
GEP Science Foundation 3 hrs
GEP Social Foundation 3 hrs

Junior Year - Fall 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARTH 3950 Portfolio Review 0 hrs
Foreign Language Elementary Level I 4 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Junior Year - Spring 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Foreign Language Elementary Level II 4 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs
Restricted Elective 3 hrs
Any 2000-4000 Level Art Studio or Media Course 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceas.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management

Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students.

To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Suggested ARH 2050 History of Western Art I and 3 hrs
Suggested ARH 2051 History of Western Art II and 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

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

Statistics - Computers 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ARTH 2300C Drawing Fundamentals I 3 hrs
ARTH 2301C Drawing Fundamentals II 3 hrs
ARTH 2050 History of Western Art I GEP 3 hrs
ARTH 2051 History of Western Art II GEP 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
ART 2XXX-4XXX Any ART prefix, studio, or media course 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
ARTH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (3 hrs)

GEB 3031 Integrated Business Foundations 3 hrs
ART 3950 Portfolio Review 0 hrs

1 Only required if the student intends to enroll in courses that require this as a pre-requisite
5. Restricted Electives (21 hrs)
   - Select restricted electives as required from each of these four areas of emphasis:
     - Aesthetics and Theory 6 hrs
     - Select 2: 6 hrs
       - ARH 4450 20th Century Art or 3 hrs
       - ARH 3471 Art in the Last 25 Years or 3 hrs
       - ARH 3710 History of Photography I or 3 hrs
       - ARH 3711 History of Photography II or 3 hrs
       - ARH 3720 History of Prints or 3 hrs
       - ARH 4900 Theory and Criticism of the Visual Arts or 3 hrs
       - PHI 3800 Aesthetics 3 hrs
     - Written Communication 3 hrs
     - Select 1: 3 hrs
       - DIG 3024 Digital Cultures & Narrative or 3 hrs
       - ENC 3241 Writing for the Technical Professional or 3 hrs
       - ENC 3250 Professional Writing or 3 hrs
       - ENC 3311 Essay as Cultural Commentary or 3 hrs
       - ENC 4416 Writing in Digital Environments 3 hrs

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.
   - Electives
     - Credit hours are variable
     - Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, or Internship permitted)
   - Additional Requirements
     - None

8. Electives
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.
Art Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Art Education B.S. program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

The Lifelong Learning Track is appropriate for students interested in opportunities for employment outside formal, K-12 schools that do not require certification or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

A grade of "C-" (1.75) or better is required.
UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
   - Education Track requires 54 semester hours
   - Lifelong Learning Track requires 42 semester hours

Education Core Requirements 15 hrs
   - Education Track requires 15 semester hours of
   Education Core Requirements
   - Lifelong Learning Track requires 18 semester hours of
   Education Core Requirements
   EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   EDF 4467 Learning Theory and Assessment 3 hrs
   EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track
   EXE 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   1 Prerequisite for Internship I (Education Track Only)

Education Track Specialization Requirements 24 hrs
   ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
   ARE 4351 Teaching Art in the Elementary School 3 hrs
   ARE 4352 Teaching Art in the Secondary School 3 hrs
   ARE 4250 Art for Exceptionalities 3 hrs
   ARE 4453 Studio Experiences in Art Education 3 hrs
   Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval) 9 hrs

Internship I 3 hrs
   - Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester and before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Internship II 12 hrs
   - All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.006.
   ARE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 24 hrs
   - Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
   - A grade of “C-” (1.75) or better is required
   - Must have a total of 48 or more hours of upper level courses to graduate.
   ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
   ARE 4351 Teaching Art in the Elementary School 3 hrs
   ARE 4250 Art for Exceptionalities 3 hrs
   ARE 4352 Teaching Art in the Secondary School 3 hrs
   ARE 4453 Studio Experiences in Art Education 3 hrs
   EDF 4941 Directed Field Experience 1 hr
   EDF 4948 Service Learning 3 hrs
   DIG 3525 Digital Media Production I 3 hrs
   DIG 2000 Introduction to Digital Media 3 hrs
   DIG 2030C Digital Video Fundamentals 3 hrs
   DIG 2109C Digital Imaging Fundamentals 3 hrs
   DIG 2500C Fundamentals of Interactive Design 3 hrs
   DIG 3811 User-Centered Design 3 hrs
   DEP 2004C Developmental Psychology 3 hrs
   DEP 3202 Psychology of Exceptional Children 3 hrs
   DEP 3464 Psychology of Aging 3 hrs
   EXP 3604C Cognitive Psychology 4 hrs
   EXP 3250 Principles of Human Factors Psychology 3 hrs
   EAB 3703C Principles of Behavior Modification 4 hrs
   MAN 3025 Management of Organizations 3 hrs
   MAN 4101 Human Relations in Management 3 hrs
   MAR 3023 Marketing 3 hrs
   ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
   HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   HFT 2750 The Event Industry 3 hrs
   HFT 3798 Fairs and Festivals 3 hrs
   HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)
   Graduation
   - Education Track requires 126 total semester hours
   - Lifelong Learning Track requires 120 semester hours

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator's Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours
- Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education website at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Spring 12 hrs
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- ARH 2050  History of Western Art I  3 hrs
- PSY 2012  General Psychology  3 hrs

Freshman Year - Summer 6 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- PSC 1121  Physical Science  3 hrs

Sophomore Year - Fall 12 hrs
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- BSC 1005  Biological Principles  3 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- STA 2014C  Principles of Statistics or  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Spring 15 hrs
- GRA 2101C  Introduction to Computer Art  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Select 1:
- MUL 2010  Enjoyment of Music or  3 hrs
- THE 2000  Theatre Survey or  3 hrs
- PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Summer 6 hrs
- TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
- ART 2301C  Drawing Fundamentals II  3 hrs

Junior Year - Fall 15 hrs
- PGY 2410C  Beginning Photography  3 hrs
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- ART 2500C  Beginning Painting  3 hrs

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

Lifelong Learning Track 3 hrs
- Choose a Lifelong Learning Specialization course  3 hrs

Junior Year - Spring 15 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

Education Track 12 hrs
- ARE 4352  Teaching Art in the Secondary School and  3 hrs
- ARE 4250  Art for Exceptionalities and  3 hrs
- ARE 4453  Studio Experiences in Art Education and  3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

Lifelong Learning Track 9 hrs
- MHS 2330  Career Planning and  3 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings and  3 hrs
- Choose a Lifelong Learning Specialization course  3 hrs

Lifelong Learning Track Select 1: 3 hrs
- EDF 2130  Child and Adolescent Development for Educators or  3 hrs
- EDP 2270  Adult Development & Learning  3 hrs
1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Summer 6 hrs
- ART 2754C  Beginning Ceramics  3 hrs

Education Track 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

Lifelong Learning Track 3 hrs
- Choose a Lifelong Learning Specialization course  3 hrs

Senior Year - Fall 12 hrs
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs

Education Track 9 hrs
- ARE 4351  Teaching Art in the Elementary School and  3 hrs
- ARE 3940  Internship and  3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

Lifelong Learning Track 9 hrs
- Choose Lifelong Learning Specialization courses  9 hrs

Senior Year - Spring 12 hrs
- ARE 4941  Internship  12 hrs

Lifelong Learning Track 6 hrs
- Choose Lifelong Learning Specialization courses  6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
Admission Requirements

- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.
- Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of “C” (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.
- Completion of an AA degree from a Florida College or completion of UCF’s General Education Program (GEP) must occur before beginning the Athletic Training Program.
- The Athletic Training Program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program.

Technical Standards Requirement

- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA “prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are ‘otherwise qualified’ to participate in those programs”. However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as “technical standards(s) for admission”.
- The institution/program may not exclude an ‘otherwise qualified’ applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to “fundamentally alter” the program nor create an “undue burden” on itself.
- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt to reflect the necessary skills and abilities needed to meet the expectations of the Program’s accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.
- The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
  1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.
  4. Students must possess the ability to communicate (orally and in writing) effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.
  6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.
- Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.
- The University of Central Florida’s Student Disability Services will evaluate a student who states he/she could meet the Program’s technical standards with accommodation(s) and confirm that the stated condition qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program’s technical standards does not guarantee a student’s eligibility for the BOC(c) certification exam. Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (bocatc.org).

Degree Requirements

- Students who are accepted into the Program in Athletic Training must adopt the most current catalog.
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Athletic Training Program, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflict.
The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.

Graduates are eligible to apply to take the Board of Certification (BOC(c)) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Athletic Training Program.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required STA 2023 Statistical Methods I 3 hrs

Suggested MAC 1114C College Trigonometry 3 hrs

D: Social Foundations (6 hrs)

Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Select 1: 3 hrs

Suggested CHM 1032 General Chemistry or

Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

The following courses are required before entering the Program in Athletic Training. Each of the required courses must have a grade of a "C" (2.0) or better.

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

BSC 2010C Biology I GEP

ZOO 3733C Human Anatomy 4 hrs

PCB 3703C Human Physiology 4 hrs

HUN 2201 Fundamentals of Human Nutrition 3 hrs

STA 2023 Statistical Methods I GEP

PSY 2012 General Psychology GEP

Select 1: 4 hrs

One of the following courses must be taken as a prerequisite or co-requisite to core requirements:

PHY 2053C College Physics I or 4 hrs

PHY 2048C Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level

Required

4. Core Requirements: Advanced Level (62 hrs)

Professional Phase

The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of "C" (2.0) or better.

ATR 4014C Principles of Athletic Training Lab 3 hrs

ATR 3102 Principles of Athletic Training 3 hrs

ATR 3012C Clinical Skills for Athletes I 3 hrs

ATR 3812L Practicum in Athletic Training I 4 hrs

ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs

PET 4315C Biomechanics of Sport 3 hrs

ATR 3822L Practicum in Athletic Training II 4 hrs

ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs

ATR 3013C Clinical Skills for Athletes II 3 hrs

ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs

ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs

ATR 4512C Organization and Administration of Athletic Training 3 hrs

PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs

ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs

ATR 4832L Practicum in Athletic Training III 4 hrs

PET 4606 Applied Fitness in Sport 3 hrs

ATR 4842L Practicum in Athletic Training IV 4 hrs

ATR 4103 Case Studies in Sports Medicine 3 hrs

ATR 4933 Athletic Training Seminar 1 hr

ATR 4112L Acute Care in Athletic Training 1 hr

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

None

Graduation

None

8. Electives

Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.

ATR 4940 Athletic Training Elective Internship 0 hrs

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A minimum overall GPA of 2.75

A minimum grade of "C" (2.0) in Common Program Prerequisite (CPP) and core requirement courses.

Two years of successful clinical rotation under the direct supervision of an approved preceptor.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

Qualified students are encouraged to participate in Honors in the Major. Interested students should consult with the Program Director.

Related Programs

Sport and Exercise Science

Health Services Administration

Health Informatics and Information Management

Health Sciences - Pre-Clinical Track

Certificates

None

Related Minors

Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

Business

Aging Studies

Biology

Coaching

Fitness Training

Health Informatics and Information Management

Health Sciences

Health Services Administration

Public Administration

Education

Sport Business Management

Advising Notes

Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).
### UCF Degree Programs

#### Transfer Notes
- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring within the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

#### Acceptable Substitutes for Transfer Courses
- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking:
  - both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or
  - by taking both PET X322C and PET X323C; or
  - by taking both APK X100C and APK X105C.
- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHYX048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN X201) will be seen as equivalent to HUN X201, HUN X41, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

#### Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- GEP Social 2 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1114C College Trigonometry 3 hrs

**Sophomore Year - Fall**
- PHY 2053C College Physics I 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Historical 3 hrs

**Sophomore Year - Spring**
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs
- GEP Historical 3 hrs

**Sophomore Year - Summer**
- ATR 4014C Principles of Athletic Training Lab 3 hrs
- ATR 3102 Principles of Athletic Training 3 hrs
- Foreign Language (If not satisfied in high school) 4 hrs

**Junior Year - Fall**
- ATR 3812L Practicum in Athletic Training I 4 hrs
- ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
- ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
- Free Elective (if needed to maintain full-time status) 3 hrs

**Junior Year - Spring**
- PET 4315C Biomechanics of Sport 3 hrs
- ATR 3822L Practicum in Athletic Training II 4 hrs
- ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
- ATR 3013C Clinical Skills for Athletic Training II 3 hrs

**Senior Year - Fall**
- ATR 4112L Acute Care in Athletic Training 1 hr
- ATR 4103C Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4112L Practicum in Athletic Training IV 4 hrs
- ATR 4111L Acute Care in Athletic Training 1 hr

**Senior Year - Spring**
- ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4832L Practicum in Athletic Training III 4 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

#### Equipment Fees
- Part-Time Student: $19.50 per term
- Full-Time Student: $39 per term

### Biology (B.S.)

#### College of Sciences

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

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

**Email:** biology@ucf.edu

**Phone:** 407-823-2141

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Biology.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
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
   Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   ■ Mathematics:
      Note: Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/
   - or: 9 hrs
   Suggested MAC 2233 Concepts of Calculus or GEP/CPP
   Suggested MAC 2253 Applied Calculus or GEP/CPP
   Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics
   Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Note: a minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.

Select the sequence identified by the Chemistry Placement exam;
■ Prior to enrolling in Chemistry, take Chemistry Placement Test- http://knightsource.sdes.ucf.edu/placement
   - For students with a strong chemistry background and a high Chemistry Placement score:
     Required CHM 2045C Chemistry Fundamentals I 4 hrs
   or - Students with little chemistry background should take this two semester equivalent instead.
     Required CHM 2040 Chemistry Fundamentals IA 3 hrs
     Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ See Transfer Notes for possible substitutes for the following courses.

Biology:
   BSC 2010C Biology I GEP/CPP
   BSC 2011C Biology II 4 hrs

Chemistry:
   CHM 2045C Chemistry Fundamentals I 4 hrs
   or - both of the following:
   CHM 2040 Chemistry Fundamentals IA 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   and- both of the following:
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
   ■ Select one math course and this statistics course.
   MAC 2233 Concepts of Calculus or GEP
   MAC 2253 Applied Calculus or GEP
   MAC 2311C Calculus with Analytic Geometry I or GEP
   STA 2023 Statistical Methods I GEP

Physics: Complete one entire sequence 8 hrs
   PHY 2053C College Physics I and 4 hrs
   PHY 2054C College Physics II 4 hrs
   - or 8 hrs
   PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (8 hrs)
   ■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core;
   ■ Biology: Required, satisfies the CPP
      ■ Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
      BSC 2010C Biology I and 3 hrs
      BSC 2011C Biology II 3 hrs

Chemistry:
   CHM 2045C Chemistry Fundamentals I GEP/CPP
   - or 9 hrs
   CHM 2040 Chemistry Fundamentals IA and
   CHM 2041 Chemistry Fundamentals IB GEP/CPP
   - and 5 hrs
   CHM 2046 Chemistry Fundamentals II and
   CHM 2046L Chemistry Fundamentals Laboratory CPP

Math:
   ■ Students planning on entering professional or graduate school may wish to take additional Calculus courses.
   Students are urged to consult their departmental advisor.
   MAC 2233 Concepts of Calculus or GEP/CPP
   MAC 2253 Applied Calculus or GEP/CPP
   MAC 2311C Calculus with Analytic Geometry I or GEP/CPP
   - and 8 hrs
   STA 2023 Statistical Methods I GEP/CPP

Physics: Complete one entire sequence 8 hrs
   PHY 2053C College Physics I and 4 hrs
   PHY 2054C College Physics II 4 hrs
   - or 6 hrs
   PHY 2048C Physics for Engineers & Scientists I and
   PHY 2049C Physics for Engineers and Scientists II CPP

Basic Core: Additional Requirements
Chemistry:
   ■ Students planning on entering professional or graduate school should take Biochemistry and will thus need a year of Organic Chemistry. Students are urged to consult their departmental advisor.

Complete one entire sequence 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
   - or 9 hrs
   CHM 2205 Evolutionary Biology 4 hrs
   CHM 3023 Organic Chemistry I 4 hrs
   CHM 3024 Organic Chemistry II 2 hrs
   CHM 3120 Organic Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 hrs)
   ■ Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
   PCB 2023 Molecular Cell Biology 3 hrs
   PCB 3044 Principles of Ecology 3 hrs
   PCB 3063 Genetics 3 hrs
   PCB 4183 Evolutionary Biology 4 hrs

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.
Complete a minimum of one lecture course 3 hrs

Environmental 3 hrs

- BCH 4053: Biochemistry I or 3 hrs
- BCH 4054: Biochemistry II or 3 hrs
- BOT 4223C: Plant Anatomy or 4 hrs
- BOT 4303C: Plant Physiology or 5 hrs
- BOT 4503: Plant Morphology or 3 hrs
- PCB 3035L: Genetics Laboratory or 1 hr
- PCB 3233: Immunology or 3 hrs
- PCB 3703C: Human Physiology or 4 hrs
- PCB 4514: Genetics II or 3 hrs
- PCB 4524: Molecular Biology I or 3 hrs
- PCB 4676: Evolution and Medicine or 3 hrs
- PCB 4683L: Evolutionary Biology Lab or 1 hr
- PCB 4684: Population Genetics or 3 hrs
- PCB 4723: Animal Physiology or 4 hrs
- PCB 5393: Population Genetics or 3 hrs
- ZOO 3713: Comparative Vertebrate Anatomy or 5 hrs
- ZOO 3733C: Human Anatomy or 4 hrs
- ZOO 4603C: Embryology/Development or 5 hrs
- ZOO 4735C: Vertebrate Histology or 4 hrs

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

Systematic 3 hrs

Complete a minimum of one lecture course 3 hrs

from this group.

- ANT 3550C: Primatology or 3 hrs
- BOT 4434C: General Mycology or 4 hrs
- BOT 4713C: Plant Taxonomy or 5 hrs
- ENY 4004C: General Entomology or 4 hrs
- ENY 5006C: Entomology or 4 hrs
- MCB 3020C: General Microbiology or 5 hrs
- ZOO 4206C: Biology and Ecology of Metazoan Invertebrates or 3 hrs
- ZOO 4310C: Vertebrate Evolution & Ecology or 4 hrs
- ZOO 4480: Mammalogy or 4 hrs
- ZOO 5487: Ichthyology or 4 hrs
- ZOO 5463C: Herpetology or 4 hrs
- ZOO 5475L: Field Ornithology or 3 hrs

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

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives used to satisfy the requirement.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

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Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
  - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math Course, depending on placement score 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 14 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  Note: This lab may be taken in a later term if seats are not available.
- ENC 1102 Composition II 3 hrs
- Elective or Math course if needed 3 hrs

Sophomore Year - Fall 13 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3044 Principles of Ecology 3 hrs

Sophomore Year - Spring 16 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
  Note: This lab may be taken in a later term if seats are not available.
- STA 2023 Statistical Methods I 3 hrs
- Restricted Elective 5 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- PHY 2053C College Physics I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- Restricted Elective 5 hrs
- Elective 3 hrs

Senior Year - Fall 16 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective 2 hrs

Senior Year - Spring 16 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biology - Preprofessional Concentration (B.S.)
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
UCF Degree Programs

Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

- BSC 2010C Biology I (4 hrs)
- BSC 2011C Biology II (3 hrs)
- CHM 2045C Chemistry Fundamentals I (4 hrs)
- CHM 2046 Chemistry Fundamentals II (3 hrs)
- CHM 2046L 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 1603C Fundamentals of Technical Presentations (3 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathtest.sdes.ucf.edu/multisession/
- Required MAC 2311C Calculus with Analytic Geometry I (4 hrs)

Statistics: (3 hrs)
- Required STA 2023 Statistical Methods I (3 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Note: a minimum grade of "C" (2.0) is required in these Biology courses to be used as a prerequisite.
- Required BSC 2010C Biology I (4 hrs)

Select the sequence identified by the Chemistry Placement exam;
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- For students with a strong chemistry background and a high Chemistry Placement score
  - Required CHM 2045C Chemistry Fundamentals I (4 hrs)
  - or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA (3 hrs)
    - and
    - Required CHM 2041 Chemistry Fundamentals IB (3 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- For students with a strong chemistry background and a high Chemistry Placement score
  - Required CHM 2045C Chemistry Fundamentals I (4 hrs)
  - or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA (3 hrs)
    - and
    - Required CHM 2041 Chemistry Fundamentals IB (3 hrs)

- CHM 2040 Chemistry Fundamentals IA (GEP)
- CHM 2041 Chemistry Fundamentals IB (GEP)

Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
- STA 2023 Statistical Methods I (GEP)

Physics:
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- PHY 2049C Physics for Engineers & Scientists II (4 hrs)

3. Core Requirements: Basic Level (8 hrs)

- Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- BSC 2010C Biology I and GEP
- BSC 2011C Biology II and GEP

Chemistry:
- CHM 2045C Chemistry Fundamentals I (GEP)
- CHM 2046 Chemistry Fundamentals Laboratory (GEP)

- or -
- CHM 2046 Chemistry Fundamentals II (GEP)

Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
- STA 2023 Statistical Methods I (GEP)

Physics:
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- PHY 2049C Physics for Engineers & Scientists II (4 hrs)

4. Core Requirements: Advanced Level (13 hrs)

- Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- PCB 3023 Molecular Cell Biology (3 hrs)
- PCB 3033 Genetics (3 hrs)
- PCB 4683 Evolutionary Biology (4 hrs)

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

Complete a minimum of one lecture course from this group.

Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

Environmental

Complete a minimum of one lecture course from this group.

- BOT 4802 Ethnobotany or 3 hrs
- BOT 4850 Medicinal Botany or 3 hrs

Systematic

Complete a minimum of one lecture course from this group.

- MCB 3020C General Microbiology or 5 hrs
- MCB 3032C General Microbiology or 5 hrs
- ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs

- Offered in Biology department.

- Fulfills Zoology requirement. Offered in Biology department.

- Fulfills Botany requirement. Offered in Biology department.

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.

Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

Additional Requirements

- None

Required Minors

- None

Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation, and must earn a passing score.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two-semester sequence has already been taken at a Florida College System institution.
UCF Degree Programs

- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall** 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
  - Math course, depending on placement score 4 hrs

**Freshman Year - Spring** 15 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2040L Chemistry Fundamentals Laboratory 1 hr
  - May be taken in a later term if seats are not available.
  - Math course 4 hrs
- ENC 1102 Composition II 3 hrs

**Sophomore Year - Fall** 16 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

**Sophomore Year - Spring** 15 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
  - May be taken in a later term if seats are not available.
- PCB 3083 Genetics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- GEP 3 hrs

**Junior Year - Fall** 16 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

**Junior Year - Spring** 14 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

**Senior Year - Fall** 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

**Senior Year - Spring** 14 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 4 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biomedical Sciences (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below “C” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a 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** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs
   - Suggested MAC 2311C Calculus with Analytic Geometry I or 4 hrs
   - Suggested MAC 2253 Applied Calculus 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Required SPC 1603C Fundamentals of Technical Presentations 3 hrs
   - Required SPC 1603C Fundamentals of Technical Presentations 3 hrs
   - Required BSC 2010C Biology I 4 hrs
   - 1 Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   **B: Courses in Basic Level** (24 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Required BSC 2011C Biology II 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs
   - Required CHM 2046 Chemistry Fundamentals II 3 hrs
   - Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required STA 2023 Statistical Methods I 3 hrs
   - Required MCB 4522 Organic Chemistry I 3 hrs
   - Required CHM 2211 Organic Chemistry I 3 hrs
   - Required CHM 2211L Organic Laboratory Techniques I 2 hrs

   Select one of the following sequences of courses:
   - PHY 2053C College Physics I and 4 hrs
   - PHY 2054C College Physics II and 4 hrs
   - or
   - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - PHY 2049C Physics for Engineers & Scientists II and 4 hrs

   1 This course is substituted with BSC 3403C.
   2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level

   **Biomedical Science (Non-Track)** (25 hrs)
   - The following core courses are for students completing the general Biomedical Science degree.

   **Life Sciences** 22 hrs
   - MCB 3020C General Microbiology 5 hrs
   - BSC 3403C Quantitative Biological Methods 4 hrs
   - PCB 3522 Molecular Biology I 3 hrs
   - PCB 4524 Molecular Biology II 3 hrs

   Select 1: 3 hrs
   - MCB 4414 Microbial Metabolism or 3 hrs
   - MCB 4410 Cellular Metabolism 3 hrs
Select one of the following sequences of courses:

- PCB 4280 Molecular Immunology and Immunology Laboratory 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

... or...

- PCB 3233 Immunology and Immunology Laboratory 3 hrs

**Chemistry**

- BCH 4053 Biochemistry I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

**Biomedical Science (Track Option)**

- 34 hrs
  - Students in the Molecular Microbiology and Molecular Cell Biology Tracks must complete the following courses in addition to completing 12 hours in their track core listed below.
  - BCH 3403C Quantitative Biological Methods 4 hrs
  - MCB 3020C General Microbiology 5 hrs
  - BCH 4053 Biochemistry I 3 hrs
  - PCB 3522 Molecular Biology I 3 hrs
  - PCB 3233L Immunology Laboratory 1 hr
  - PCB 4280 Molecular Immunology 3 hrs
  - PCB 4524 Molecular Biology II 3 hrs

**Molecular Microbiology Track Core**

- 12 hrs
  - MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
  - MCB 4404 Bacterial Genetics and Physiology 3 hrs
  - MCB 4201 Microbial Stress Response 3 hrs
  - MCB 4414 Microbial Metabolism 3 hrs

**Molecular and Cellular Biology Track Core**

- 12 hrs
  - MCB 4410 Cellular Metabolism 3 hrs
  - MCB 4529C Experimental Molecular Cell Biology 4 hrs
  - PCB 4026 Molecular and Cellular Pharmacology 3 hrs
  - PCB 4234 Cancer Biology 3 hrs
  - PCB 4280 Molecular Immunology 3 hrs
  - PCB 4524 Molecular Biology II 3 hrs

1. Including lab

5. Restricted Electives

**Biomedical Science (Non-Track) Electives**

- 23 hrs
  - Select a minimum of seven (7) courses from the list below. At least two must have a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling.
  - Only three hours of Honors thesis will count towards elective requirement.

- Students can only select two (2) of the following BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.
  - BCH 4054 Biochemistry II 3 hrs
  - BCH 4103L Biochemical Methods 2 hrs
  - BOT 4434C General Mycology 4 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - BSC 4434 Biomedical Informatics: Sequence Analysis 3 hrs
  - BSC 4439 Biomedical Informatics: Structure Analysis 3 hrs
  - MCB 3202 Principles of Infectious Disease 3 hrs
  - MCB 3203 Pathogenic Microbiology 3 hrs
  - MCB 4404 Bacterial Genetics and Physiology 3 hrs
  - MCB 4114C Determinative & Systemic Microbiology 4 hrs
  - MCB 4207 Infectious Processes 3 hrs
  - MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
  - MCB 4276 Epidemiology of Infectious Diseases 3 hrs
  - MCB 4512 Molecular Biotechnology 3 hrs
  - MCB 4503C Virology 3 hrs
  - MCB 4603 Environmental Microbiology 3 hrs
  - MCB 4721C Methods in Biotechnology 4 hrs
  - MCB 4970H Honors Undergraduate Thesis I 3 hrs
  - MCB 5225 Molecular Biology of Disease 3 hrs
  - MCB 5654 Applied Microbiology 3 hrs
  - MCB 5902 Current Topics in Molecular Biology 3 hrs
  - MLS 3220C Techniques in Clinical Microscopy 3 hrs
  - MLS 3305 Hematology 3 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4430C Clinical Parasitology 3 hrs
  - MLS 4505C Immunodiagnostics 3 hrs
  - MLS 4625 Advanced Clinical Chemistry I 3 hrs
  - MLS 4630 Advanced Clinical Chemistry II 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - PCB 4028 Molecular and Cellular Pharmacology 3 hrs
  - PCB 4135 Applied Molecular Cell Biology 3 hrs
  - PCB 4174 Foundation of Bio-Imaging Science 3 hrs
  - PCB 4234 Cancer Biology 3 hrs
  - PCB 4264 Stem Cell Biology 3 hrs
  - PCB 4514 Genetics II 3 hrs
  - PCB 4521 Tissue Engineering 3 hrs
  - PCB 4529C Experimental Molecular Cell Biology 4 hrs
  - PCB 4708L Laboratory Virtual Simulations in Physiology 3 hrs
  - PCB 4805 Endocrinology 3 hrs
  - PCB 4832 Cellular and Molecular Brain Functions 3 hrs
  - PCB 4833 Advanced Human Physiology 3 hrs
  - PCB 4843 Cellular and Molecular Neuroscience 3 hrs
  - PCB 5236 Cancer Biology 3 hrs
  - PCB 5275 Signal Transduction Mechanics 3 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - ZOO 3744 Neurobiology 3 hrs
  - ZOO 3753C Introductory Histology 4 hrs
  - ZOO 4603C Embryology/Development 5 hrs
  - ZOO 4605 Human Embryology and Congenital Malformation 3 hrs
  - ZOO 4742 Advanced Neurobiology 3 hrs
  - ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
  - ZOO 4747C Clinical Neuroscience 4 hrs
  - ZOO 4753C Vertebrate Histology 4 hrs
  - ZOO 5745C Essentials of Neuroanatomy 4 hrs

1. Recommended for Preprofessional students
2. Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

**Molecular Microbiology Track Electives**

- 11 hrs
  - Students must choose three (3) courses from the list below:
    - At least two (2) must have a laboratory component
    - BOT 4434C General Mycology 4 hrs
    - MCB 3022 Principles of Infectious Disease 3 hrs
    - MCB 3203 Pathogenic Microbiology 3 hrs
    - MCB 4207 Infectious Processes 3 hrs
    - MCB 4276 Epidemiology of Infectious Diseases 3 hrs
    - MCB 4503C Virology 3 hrs
    - MCB 4603 Environmental Microbiology 3 hrs
    - MCB 4721C Methods in Biotechnology 4 hrs
    - MCB 4805 Applied Microbiology 3 hrs
    - PCB 4028 Molecular and Cellular Pharmacology 3 hrs
    - PCB 5238 Immunochemistry 3 hrs

An additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

1. Must also choose MCB 3203L Pathogenic Microbiology Lab

**Molecular and Cellular Biology Track Electives**

- 10 hrs
  - Students must choose three (3) electives from the list below:
    - At least one (1) must have a laboratory component
    - BSC 4434 Biomedical Informatics: Sequence Analysis 3 hrs
    - MCB 4721C Methods in Biotechnology 4 hrs
    - MCB 5225 Molecular Biology of Disease 3 hrs
    - PCB 3703C Human Physiology 4 hrs
    - PCB 4174 Foundation of Bio-Imaging Science 3 hrs
    - PCB 4264 Stem Cell Biology 3 hrs
    - PCB 4521 Tissue Engineering 3 hrs
    - PCB 4663 Human Genetics 3 hrs
    - PCB 4813 Molecular Aspects of Obesity, Diabetes & Metabolism 3 hrs
    - PCB 5238 Immunochemistry 3 hrs
    - PCB 5275 Signal Transduction Mechanics 3 hrs
    - ZOO 3744 Neurobiology 3 hrs

An additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
<td>may be substituted with: BSC 3403C</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
<td>may be substituted with: CHM 2040</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
<td>may be substituted with: CHM 2041</td>
</tr>
</tbody>
</table>

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computers 3 hrs

Sophomore Year - Spring 15 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Restrict Elective or Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Sophomore Year - Summer 9 hrs
- Select 1: 3 hrs
- Elective or Elective 3 hrs

Junior Year - Fall 13 hrs
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- PHY 2053C College Physics I or 4 hrs
- 1 PHY 2045C Physics for Engineers & Scientists I 4 hrs

1 Students electing to enroll in the PHY 2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Junior Year - Spring 13 hrs
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs
- PHY 2054C College Physics II or 4 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

1 Students electing to enroll in the PHY 2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall 12 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

1 Students electing to enroll in the PHY 2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites
Biomedical Sciences - Preprofessional Concentration (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a Departmental advisor and the Office of Pre-Health and Pre-Law Advising.

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

2. Common Program Prerequisites (CPP) (16 hrs)

3. Core Requirements: Basic Level (10 hrs)

4. Core Requirements: Advanced Level (25 hrs)

5. Restricted Electives

7 courses minimum

- Students cannot choose more than two (2) of the following restricted electives:
  - BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

Full-Time Student: $78 per term
Part-Time Student: $39 per term

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term
### UCF Degree Programs

#### MCB 4404  
Bacterial Genetics and Physiology  
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 4334  
Hemostasis  
3 hrs

#### MLS 4430C  
Clinical Parasitology  
3 hrs

#### MLS 4505C  
Immunodiagnostics  
3 hrs

#### PCB 3063  
Genetics  
3 hrs

#### PCB 3703C  
Human Physiology  
4 hrs

#### PCB 4028  
Molecular and Cellular Pharmacology  
3 hrs

#### PCB 4234  
Cancer Biology  
3 hrs

#### PCB 4284  
Immunobiology  
3 hrs

#### PCB 4514  
Genetics II  
3 hrs

#### PCB 4708L  
Laboratory Virtual Simulations in Physiology  
3 hrs

#### PCB 4805  
Endocrinology  
3 hrs

#### PCB 4832  
Cellular and Molecular Basis of Brain Functions  
3 hrs

#### PCB 4833  
Advanced Human Physiology  
3 hrs

#### ZOO 3701C  
Human Gross Anatomy & Dissection Techniques  
3 hrs

#### ZOO 3733C  
Human Anatomy  
4 hrs

#### ZOO 3744  
Neurobiology  
3 hrs

#### ZOO 3755C  
Introductory Histology  
4 hrs

#### ZOO 4603C  
Embryology/Development  
5 hrs

#### ZOO 4605  
Human Clinical Embryology and Congenital Malformation  
3 hrs

#### ZOO 4742  
Advanced Neurobiology  
3 hrs

#### ZOO 4743C  
Clinical Neuroanatomy and Neuroscience  
4 hrs

#### ZOO 4753C  
Vertebrate Histology  
4 hrs

#### ZOO 4747C  
Clinical Neuroscience  
4 hrs

1. Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this combination to count as 1 restricted elective.

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

**Admissions**

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

**Graduation**

- None

#### 8. Electives

- Variable

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.

- Independent study, directed research, or similar credit may not be used as a Restricted Elective.

- Minimum of 20 hours must be taken at UCF in the department of the major.

- Students will be required to pass a comprehensive test during their last semester.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors in Major**

- Application and admission through the Department and the Burnett Honors College.

- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

- Complete the following with a grade of B or better (4 credits)

  - BSC 3403C Honors Quantitative Biological Methods  
  4 hrs

- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits)

  - MCB 4970H Honors Undergraduate Thesis II  
  1 hr

**Related Programs**

- Biology
- Biototechnology
- Chemistry
- Medical Laboratory Sciences

**Certificates**

- None

**Related Minors**

- Biology
- Chemistry

**Advising Notes**

- None

**Transfer Notes**

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

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

**Acceptable Substitutes for Transfer Courses**

- BSC 2011C Biology II  
  4 hrs

- may be substituted with: BSC 3403C  
  4 hrs

- CHM 2045C Chemistry Fundamentals I  
  4 hrs

- may be substituted with: CHM 2040  
  4 hrs

- CHM 2045C Chemistry Fundamentals II  
  4 hrs

- may be substituted with: CHM 2041  
  4 hrs

**Plan of Study**

**Freshman Year - Fall**

- ENC 1102 Composition II  
  3 hrs

- CHM 2045C Chemistry Fundamentals I  
  4 hrs

- MAC 2311C Calculus with Analytic Geometry I  
  4 hrs

- SLS 2311C Overview of Select Medical Careers  
  2 hrs

- GEP 3 hrs

- 1 or follow math sequence determined by Math Placement Exam

**Freshman Year - Spring**

- ENC 1101 Composition I  
  3 hrs

- CHM 2046L Chemistry Fundamentals Laboratory  
  1 hr

- BSC 2010C Biology I  
  4 hrs

- GEP 3 hrs

**Sophomore Year - Fall**

- CHM 2210 Organic Chemistry I  
  3 hrs

- MCB 3020C General Microbiology  
  5 hrs

- GEP 3 hrs

**Select 1:**

- STA 2023 Statistical Methods I or  
  3 hrs

- CGS 1060C Introduction to Computers  
  3 hrs

**Sophomore Year - Spring**

- CHM 2211 Organic Chemistry II  
  3 hrs

- BSC 3403C Quantitative Biological Methods  
  4 hrs

- GEP 3 hrs

- Restricted Elective or Elective  
  3 hrs

**Select 1:**

- CHM 2211L Organic Laboratory Techniques I or  
  2 hrs

- Elective  
  3 hrs

**Sophomore Year - Summer**

- Restricted Elective or Elective  
  3 hrs

- Elective  
  3 hrs
Select 1: 4 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Junior Year - Fall 13 hrs
PCB 3522 Molecular Biology I 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs

Select 1: 4 hrs
1 PHY 2049C Physics for Engineers & Scientists I 4 hrs
1 PHY 2048C College Physics II 4 hrs

Junior Year - Spring 13 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs

Select 1: 4 hrs
1 PHY 2049C Physics for Engineers & Scientists II or 4 hrs
PHYS 2045C College Physics II 4 hrs

Select 1: 3 hrs
PCB 3233L Molecular Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs

Senior Year - Fall 12 hrs
GEP 3 hrs
Restricted Elective 3 hrs

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or 3 hrs
BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
PCB 3233 or Restricted Elective 3 hrs

Select 1: 3 hrs
MCB 4441 Microbial Metabolism or 3 hrs
BCH 4053 Biochemistry I 3 hrs

Program Academic Learning Compacts
1 Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
1 Part-Time Student: $39 per term
1 Full-Time Student: $78 per term

Biotechnology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
1 None

UCF Degree Programs

Degree Requirements
1 Students who change degree programs and select this major must adopt the most current catalog
1 Students should complete the General Education Program before transferring within the Florida College System or State University System.
1 Students should consult with a Departmental advisor
1 Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
1 Grades below “C” in Common Program Prerequisites,Core Requirements and Restricted Electives will not be accepted.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations
Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
Required MAC 2311C Calculus with Analytic Geometry I or 4 hrs
Required MAC 2253 Applied Calculus 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations
Required CHM 2043C Chemistry Fundamentals I 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
1 See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
BSC 2010C Biology I 4 hrs
1 BSC 2011C Biology II 4 hrs
1 CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
STA 2023 Statistical Methods I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
PHY 2053C College Physics I 4 hrs
PHY 2054C College Physics II 4 hrs

1 This course is substituted with BSC 3403C.
2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
1 None

4. Core Requirements: Advanced Level (52 hrs)
Life Sciences
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 4721C Methods in Biotechnology 4 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
PCB 4135 Applied Molecular Cell Biology 3 hrs
PCB 4147 Foundation of Bio-Imaging Science 3 hrs

Select one of the following sequences of courses:
PCB 4280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr
or
PCB 3233L Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Select 1:
MCB 4414 Microbial Metabolism or 3 hrs
MCB 4410 Cellular Metabolism 3 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2211L Organic Laboratory Techniques I 2 hrs

UNIVERSITY OF CENTRAL FLORIDA

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Physics
Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></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>
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</table>

Math
Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2253</td>
<td>Applied Calculus</td>
<td>GEP</td>
</tr>
</tbody>
</table>

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for MCB 4970H may elect MCB 4912 Undergraduate Research as a substitute course, but a research report must be submitted to instructor after completion of research project.

BCH 4054  Biochemistry II 3 hrs
BCH 4103L  Biochemical Methods 2 hrs
1 MCB 3203  Pathogenic Microbiology 3 hrs
MCB 4404  Bacterial Genetics and Physiology 3 hrs
MCB 4207  Infectious Processes 3 hrs
MCB 4204  Cellular Microbiology; Host-Pathogen Interactions 3 hrs
PCB 4284  Immunobiology 3 hrs
MCB 4503C  Virology 3 hrs
MCB 4603  Environmental Microbiology 3 hrs
MCB 4912  Directed Independent Research 3 hrs
MCB 4970H  Honors Undergraduate Thesis II 3 hrs
MCB 5225  Molecular Biology of Disease 3 hrs
MCB 5505  Molecular Virology 3 hrs
MCB 5554  Applied Microbiology 3 hrs
MCB 5932  Current Topics in Molecular Biology 3 hrs
PCB 3063  Genetics 3 hrs
PCB 3703C  Human Physiology 4 hrs
PCB 4234  Cancer Biology 3 hrs
PCB 4521  Tissue Engineering 3 hrs
PCB 4805  Endocrinology 3 hrs
PCB 5275  Signal Transduction Mechanics 3 hrs

1 Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective

6. Capstone Requirements
- None

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
- A minimum of 20 hours must be taken at UCF in the department of the major
- Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the department and the Burnett Honors College

Fulfills 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:
  - MCB 3403C Honors Quantitative Biological Methods 4 hrs
  - Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H 3 hrs

Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Acceptable Substitutes for Transfer Courses
- Substitutes for Common Program Prerequisites
- MAC X311 or MAC X333 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes
- CHM 2045C may be substituted with CHM 2040 and CHM 2041
- MCB 2011C Biology II may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals II may be substituted with: CHM 2041

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- GEP 3 hrs
<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
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<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I or GSS 1000C</td>
</tr>
<tr>
<td></td>
<td>Introduction to Computers</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective or Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I or Elective</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>9 hrs</th>
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<tbody>
<tr>
<td>Restricted Elective or Elective</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>13 hrs</th>
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</thead>
<tbody>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
</tr>
<tr>
<td>PCB 4280</td>
<td>Molecular Immunology</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
</tr>
<tr>
<td>PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
</tr>
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<td><strong>Select 1:</strong></td>
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</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I or PHY 2048C</td>
</tr>
<tr>
<td></td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
</tbody>
</table>

1 *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
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<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
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<td>PCB 4280</td>
<td>Molecular Immunology</td>
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<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
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<tr>
<td>PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
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<td><strong>Select 1:</strong></td>
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</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II or PHY 2049C</td>
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<td>Physics for Engineers and Scientists II</td>
</tr>
</tbody>
</table>

1 *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
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<tr>
<td>MCB 4312</td>
<td>Molecular Biotechnology</td>
</tr>
<tr>
<td>Restricted Elective or Elective</td>
<td>3 hrs</td>
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<td><strong>Select 1:</strong></td>
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</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or MCB 4414</td>
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<td></td>
<td>Microbial Metabolism</td>
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<table>
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<th>Senior Year - Spring</th>
<th>12 hrs</th>
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<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
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<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective or Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or MCB 4414</td>
</tr>
<tr>
<td></td>
<td>Microbial Metabolism</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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<tr>
<td>Restricted Elective</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4414</td>
<td>Microbial Metabolism</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>Molecular Biotechnology</td>
</tr>
<tr>
<td>Elective 3000 level</td>
<td></td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences, Room: 255
[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)
Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

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 regular, scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major.
- These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (39 hrs)

- For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution).

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.
UCF Degree Programs

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
 Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
 Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement

Select either:
CHM 2045C Chemistry Fundamentals I 4 hrs
- or - 6 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
MAC 2311C Calculus with Analytic Geometry I and GEP
MAC 2312 Calculus with Analytic Geometry II and GEP
PHY 2048C Physics for Engineers & Scientists I and GEP
PHY 2049C Physics for Engineers and Scientists II and GEP

3. Core Requirements: Basic Level (4 hrs)
■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:
CHM 2045C Chemistry Fundamentals I 4 hrs
- or - 6 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
- and

CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and GEP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II and GEP/CPP

Core: Additional requirements
BSC 2010C Biology I GEP
MAC 2313 Calculus with Analytic Geometry III 4 hrs
- and either:
STA 1063C Basic Statistics Using Microsoft Excel or GEP
STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)

BCH 4053 Biochemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 3215L Organic Laboratory Techniques I 2 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Laboratory 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
CHM 4610L Inorganic Chemistry Laboratory 2 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHM 4912 Directed Independent Research 4 hrs
CHM 4930 Chemistry Seminar I 1 hr
CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)
Select from the following courses: 6 hrs
BCH 4054 Biochemistry II 3 hrs
CHM 4220 Organic Chemistry III 3 hrs
CHM 5225 Advanced Organic Chemistry 3 hrs
CHM 5235 Applied Molecular Spectroscopy 3 hrs
CHM 5450 Polymer Chemistry 3 hrs
CHM 5451C Techniques in Polymer Science 3 hrs
CHM 5580 Advanced Physical Chemistry 3 hrs
CHS 4615 Environmental Chemistry 3 hrs

Directed Electives 3 hrs
■ Course will be selected with the aid of a departmental advisor and approved in advance by the department chair.
■ Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation
■ None

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
■ Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
■ Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
■ Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  CHM 4912 Directed Independent Research 4 hrs
  CHM 4930 Chemistry Seminar I 1 hr
  CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
■ The student must achieve a satisfactory score on the exam.
■ Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate.
■ The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Freshman Year - Fall | 14 hrs | CHM 2045C Chemistry Fundamentals I (4 hrs)  
MAC 2311C Calculus with Analytic Geometry I (4 hrs)  
ENC 1101 Composition I (3 hrs) |
| Freshman Year - Spring | 14 hrs | CHM 2046 Chemistry Fundamentals (3 hrs)  
CHM 2046L Chemistry Fundamentals Laboratory (1 hr)  
MAC 2312 Calculus with Analytic Geometry II (4 hrs)  
ENC 1102 Composition II (3 hrs)  
GEP (3 hrs) |
| Sophomore Year - Fall | 14 hrs | CHM 2210 Organic Chemistry I (3 hrs)  
PHY 2048C Physics for Engineers & Scientists I (4 hrs)  
MAC 2313 Calculus with Analytic Geometry III (4 hrs)  
Statistics (3 hrs) |
| Sophomore Year - Spring | 14 hrs | CHM 2211 Organic Chemistry II (3 hrs)  
CHM 2211L Organic Laboratory Techniques I (2 hrs)  
PHY 2049C Physics for Engineers and Scientists II (4 hrs) |
| Junior Year - Fall | 16 hrs | BCH 4053 Biochemistry I (3 hrs)  
CHM 3210 Analytical Chemistry (3 hrs)  
CHM 3120L Analytical Chemistry Laboratory (1 hr)  
CHM 3215L Organic Laboratory Techniques II (2 hrs)  
CHM 3410 Physical Chemistry I (4 hrs)  
GEP (3 hrs) |
| Junior Year - Spring | 16 hrs | CHM 3411 Physical Chemistry II (3 hrs)  
CHM 4111L Inorganic Chemistry Laboratory (3 hrs)  
CHM 4130 Advanced Analytical Chemistry Laboratory (2 hrs)  
Restricted Elective (3 hrs) |
| Senior Year - Fall | 16 hrs | CHM 4610L Inorganic Chemistry Laboratory (2 hrs)  
CHM 4931 Chemistry Seminar II (1 hr)  
CHM 4932 Directed Independent Research (2 hrs)  
Restricted Elective (3 hrs)  
GE (3 hrs)  
GEP (3 hrs)  
Free Elective (3 hrs)  
Free Elective (3 hrs) |
| Senior Year - Spring | 15 hrs | CHM 4912 Directed Independent Research (2 hrs)  
CHM 4931 Chemistry Seminar II (1 hr)  
GEP (3 hrs)  
GE (3 hrs)  
Free Elective (3 hrs)  
Free Elective (3 hrs) |
| Plan of Study | | One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections. Before registering for Chemistry, you must take the Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement. Before registering for Math, you must take Math Placement Test at http://knightsource.sdes.ucf.edu/placement. Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt. |
**UCF Degree Programs**

- 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 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. **UCF General Education Program (GEP)** (39 hrs)

   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Prefer STA 2023 Statistical Methods I 3 hrs

   **C: Mathematical Foundations** (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Prefer STA 2023 Statistical Methods I 3 hrs

   **D: Social Foundations** (6 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

   **E: Science Foundations** (8 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. **Common Program Prerequisites (CPP)** (20 hrs)

   Select either:
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - or
   - CHM 2040 Chemistry Fundamentals IA and 3 hrs
   - CHM 2041 Chemistry Fundamentals IB 3 hrs

   - and complete all the following 24 hrs
   - CHM 2046 Chemistry Fundamentals II and 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
   - CHM 2210 Organic Chemistry I and 3 hrs
   - CHM 2211 Organic Chemistry II and 3 hrs
   - CHM 2211L Organic Laboratory Techniques I and 2 hrs
   - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
   - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
   - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

3. **Core Requirements: Basic Level** (10 hrs)

   All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

   **Basic Core: Required, satisfies the CPP**
   - Select either:
     - CHM 2045C Chemistry Fundamentals I 4 hrs
     - CHM 2040 Chemistry Fundamentals IA 3 hrs
     - CHM 2041 Chemistry Fundamentals IB 3 hrs

4. **Core Requirements: Advanced Level** (37 hrs)

   - Select from the following:
     - BSC 2010C Biology I 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

5. **Restricted Electives** (10 hrs)

   One of the following may be used as a Restricted Elective:
   - CHM 4220 Organic Chemistry III or 3 hrs
   - CHM 5225 Advanced Organic Chemistry 3 hrs

   Additional upper level courses as approved by a departmental advisor.

6. **Capstone Requirements**

7. **Foreign Language Requirements**

   None

8. **Electives**

   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. **Additional Requirements**

   - Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
   - Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
   - Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
     - CHM 4912 Directed Independent Research 4 hrs
     - CHM 4930 Chemistry Seminar I 1 hr
     - CHM 4931 Chemistry Seminar II 1 hr
     - PCB 3522 Molecular Biology I 3 hrs

10. **Required Minors**

    None

11. **Departmental Exit Requirements**

    Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required:
- 120

Honors in Major:
- None

Related Programs:
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates:
- None

Related Minors:
- Chemistry
- Biology
- Biomedical Sciences

Advising Notes:
- None

Transfer Notes:
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses:
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study:
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Lab may be taken in a later term if seats are not available.
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Fall
- BCH 4053 Biochemistry I 3 hrs
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Spring
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Senior Year - Fall
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHM 4930 Chemistry Seminar I 1 hr
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- CHM 3431 Chemistry Seminar II 1 hr
- 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 2 hrs
- GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Civil Engineering (B.S.C.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Kevin Mackie, kevin.mackie@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
UCF Degree Programs

Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

- Students in the Civil Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

- Students in the Civil Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Civil Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Civil Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Cultural Foundations 6 hrs
   - Select one course from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select one class from Social Foundation Group 1 3 hrs
   - Select one class from Social Foundation Group 2 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - A grade of “C” (2.0) or better is required in each course in this section.

   - First alternative: Select all of the following:
     - MAC 2312 Calculus with Analytic Geometry II 4 hrs
     - MAC 2313 Calculus with Analytic Geometry III 4 hrs
     - MAP 2302 Ordinary Differential Equations I 3 hrs
     - PHY 2048C Physics for Engineers & Scientists I 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II 4 hrs

   Select one of the following sequences of courses:
   - Preferred course
     - CHS 1440 Principles of Chemistry 4 hrs
   - or - First alternative: Select all of the following:
     - CHM 2040 Chemistry Fundamentals IA and 3 hrs
     - CHM 2041 Chemistry Fundamentals IB 3 hrs
   - or - Second alternative
     - CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
   - EGS 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3331 Mechanics of Materials 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3613 Engineering Economic Analysis 2 hrs
   - ENV 3001 Introduction to Environmental Engineering 3 hrs
   - CCE 4003 Introduction to the Construction Industry 3 hrs
   - STA 3032 Probability and Statistics for Engineers 3 hrs
   - CEM 4081C Civil Engineering Measurements 4 hrs
   - CEN 3501C Civil Engineering Materials 3 hrs
   - CEG 4011C Geotechnical Engineering I 4 hrs
   - EGS 1006C Introduction to the Engineering Profession 1 hr
   - CEN 3501C Civil Engineering Materials 3 hrs
   - CEG 4011C Geotechnical Engineering I 4 hrs
   - CWR 3201 Engineering Fluid Mechanics 3 hrs
   - CWR 4632C Water Resources Engineering I 4 hrs
   - TTE 3810 Highway Engineering 3 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
   - CES 4702 Reinforced Concrete Structures 3 hrs

Select 3:
   - Take 3 from the following:
     - CEG 4012 Geotechnical Engineering II or 3 hrs
     - CWR 4633C Water Resources Engineering II or 3 hrs
     - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
     - TTE 4274 Transportation Engineering Systems 3 hrs

1 A “C” (2.0) or better is required in this course.
5. Restricted Electives
- Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs
- 1 CEG 4801C Geotechnical Engineering Design or 3 hrs
- 1 CES 4743C Structural Design or 3 hrs
- 1 CWR 4812C Water Resources Design or 3 hrs
- 1 ENV 4652C Environmental Engineering Water Treatment Design or 3 hrs
- 1 TTE 4601C Urban Systems Design 3 hrs

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.
- Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall 14 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Junior Year - Fall 17 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

Junior Year - Spring 17 hrs
- GEP 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall 15 hrs
- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

Discipline Depth 6 hrs
- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
UCF Degree Programs

ENV 4561 Environmental Engineering Operations & Processes II or Transportation Engineering Systems 3 hrs
TTE 4274 Transportation Engineering Systems 3 hrs

Design Elective 3 hrs
CEG 4901C Geotechnical Engineering Design or CES 4743C Structural Design or CWR 4812C Water Resources Design or ENV 4562C Environmental Engineering Water Treatment Design or TTE 4601C Urban Systems Design 3 hrs

Senior Year - Spring 12 hrs
GEP 3 hrs
EGN 3343 Thermodynamics 3 hrs
CGN 4808C CECE Capstone Design 3 hrs

Discipline Depth 3 hrs
CEG 4912 Geotechnical Engineering II or CWR 4833C Water Resources Engineering II or TTE 4274 Transportation Engineering Systems or ENV 4561 Environmental Engineering Operations & Processes II

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html
- Equipment Fees
  - Part-Time Student: $43 per term
  - Full-Time Student: $85 per term

Communication & Conflict (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. James McCafferty, james.mccafferty@ucf.edu
Phone: 407-823-2681
Nicholson Academic Student Services, nassc@ucf.edu

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1:
Required SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations or COM 1000 Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Statistics: (3 hrs)
Required STA 2014C Principles of Statistics 3 hrs

Math:
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) SPC 1608 Fundamentals of Oral Communication

3. Core Requirements: Basic Level (3 hrs)
Speech Select 1:
SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations or COM 1000 Introduction to Communication

Statistics
STA 2014C Principles of Statistics

Computer Science
Select 1:
CGS 1060C Introduction to Computers or CGS 2100C Computer Fundamentals for Business or CGS 2558C Desktop/Internet Publishing or CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
Take all of the following:
COM 3801 Communication Theories of Interpersonal Conflict 3 hrs
COM 3800 Conflict Communication Research Methods 3 hrs
COM 4804 Conflict & Communication Context 3 hrs
COM 3802 Communication & Conflict 3 hrs

5. Restricted Electives (21 hrs)
Internal Restricted Electives: 15 hrs
- Select from the following list:
  COM 3120 Organizational Communication 3 hrs
  COM 4461 Intercultural Communication 3 hrs
  COM 4805 Transformative Communication 3 hrs
  COM 4803 Third Party Processes & Intervention 3 hrs
  PUR 4400 Crisis Communication 3 hrs
  RTV 4403 Electronic Media, Technology, and Society 3 hrs
  PUR 4000 Public Relations 3 hrs
  COM 4014 Gender Issues in Communication 3 hrs
  COM 4941 Internship 1 hr

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

- Select 1:
  ENC 3315 Argumentative Writing or ENC 3311 Essay as Cultural Commentary or ENC 3250 Professional Writing or ENC 3314 Writing in the University or ENC 3324 Writing for the Technical Professional or 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 with NSC advisor approval selected from courses in Business, Legal Studies, Psychology, Public Administration, or other related areas, or courses within the Nicholson School of Communication but outside of the Human Communication area (i.e. Advertising-Public Relations, Journalism, or Radio-Television) not specified as restricted internal electives above.

6. Capstone Requirements (3 hrs)
COM 4806 Communication & Conflict Case Studies 3 hrs
### 7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

### 8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new, or more appropriate selections.
- Although most courses are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/

### Freshman Year - Spring

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<td>SPC 100</td>
<td>Fundamentals of Speech Communication</td>
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<td>STA 2014C</td>
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### Sophomore Year - Spring

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<td>COM 3801</td>
<td>Communication Theories of Interpersonal Conflict</td>
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<tr>
<td>COM 3800</td>
<td>Conflict Communication Research Methods</td>
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<tr>
<td>GEP</td>
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<td>Elective (Consider a minor)</td>
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### Junior Year - Fall

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<th>Hours</th>
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<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
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<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1003C</td>
<td>Fundamentals of Technical Presentations</td>
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<tr>
<td>GEP</td>
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### Junior Year - Spring

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<td>Restricted Elective</td>
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<tr>
<td>Elective (Consider a minor)</td>
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### Junior Year - Summer

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### Senior Year - Fall

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### Senior Year - Spring

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<td>COM 4806</td>
<td>Communication &amp; Conflict Case Studies</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.oed.ucf.edu/academiclearningcompacts.html

### 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.cohpa.ucf.edu/esd

Email: csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

Phone: 407-823-4798

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
UCF Degree Programs

- The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.
- Students must earn at least a "C-" (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

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

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Select 1: 3 hrs
   Required STA 2014C Principles of Statistics 3 hrs

2. Core Social Foundations (6 hrs)

   Required PSY 2012 General Psychology 3 hrs

3. Science Foundations (6 hrs)

   Required PHY, PSC, or CHM course listed in GEP E.1 3 hrs
   Required BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)

   STA 2014C Principles of Statistics GEP
   BSC 1005 Biological Principles GEP
   PSY 2012 General Psychology GEP
   PHY, PSC or CHM

3. Core Requirements: Basic Level

   None

4. Core Requirements: Advanced Level (56 hrs)

   Core Requirements 53 hrs
   DEP 2004C Developmental Psychology 3 hrs
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   SPA 3011 Speech Science I: Production 3 hrs
   SPA 3011L Speech Production Lab 1 hr
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3123 Speech Science II: Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 4476 Speech Disorders Across the Lifespan 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   SPA 4400 Language Disorders Across the Life Span 3 hrs
   LIN 3713 Language Science 3 hrs
   SPA 4870C Capstone Course 3 hrs
   SPA 4326 Hearing Disorders Across the Lifespan 3 hrs

   Select 1: 3 hrs
   EAB 3703C Principles of Behavior Modification or 4 hrs
   EEX 4601 Introduction to Behavior Management or 3 hrs
   EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
   EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
   SPA 3472L Speech Production Lab 1 hr
   EEX 3450 Research Methods in Communication or 3 hrs
   EEX 3450L Research Methods in Communication Lab 1 hr

   Statistics Requirement 3 hrs
   Students have two options for completing this requirement:

   Option 1: 3 hrs
   STA 2023 Statistical Methods I and GEP
   STA 4163 Statistical Methods II 3 hrs

   Option 2:
   STA 2014C Principles of Statistics and GEP
   SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)

   An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

B.A./B.S. Option:

   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

   Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements 3 hrs

   SPA 4870C Capstone Course

7. Foreign Language Requirements

   Admissions

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

   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

   Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

   Graduation

   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

   Electives

   Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements

   None

10. Required Minors

   None

11. Departmental Exit Requirements

   Students must achieve a minimum grade of "C-" (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.

   Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements

   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF.

   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major

Interested students should consult with the undergraduate program coordinator.

Related Programs

- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Certificate
- None

Related Minors

- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
Human Communication
Linguistics
Psychology
Spanish

Advising Notes

- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders.

Transfer Notes

- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:

- PHY, PSC, or CHM Course 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall

- GEP Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Math 3 hrs

Sophomore Year - Spring

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
  - SPA 3112 Basic Phonetics 3 hrs
  - SPA 3112L Basic Phonetics Lab 1 hr
  - Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

Select 1:

- EAB 3703C Principles of Behavior Modification or 3 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEX 3460 Young Children With Special Needs or 3 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 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
  - Free Elective 3 hrs

Junior Year - Fall

- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- LIN 3713 Language Science 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring

- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs

Senior Year - Fall

- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- Restricted Elective 3 hrs

Select 1:

- STA 4163 Statistical Methods II or 3 hrs
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

Senior Year - Spring

- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4870C Capstone Course 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeast.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering (B.S.Cp.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
Diane D’Avanzo
Phone: 407-823-3327

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Students in the Computer Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Select 1: 3 hrs
     - Suggested SPC 1603C Fundamentals of Technical Presentations or 3 hrs
     - Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one class from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2048C 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 public secondary schools and may be transferred directly to UCF programs. To enroll in the CECS major, a 2.0 (C or better) in each course is required for those course indicated.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 MAC 2311C Calculus with Analytic Geometry I GEP
   - 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - 1 MAP 2302 Ordinary Differential Equations I 3 hrs
   - 1 PHY 2048C Physics for Engineers & Scientists I GEP
   - 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

   Select 1: 4 hrs
   - 2 CHS 1440 Principles of Chemistry or 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - A “C” (2.0) or better is required in this course.
   - 2 Preferred

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 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.
   - EGS 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (57 hrs)
   - Engineering Core 6 hrs
     - EGN 3310 Engineering Analysis-Statics 3 hrs
     - STA 3032 Probability and Statistics for Engineers GEP
   - Select 1: 3 hrs
     - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
     - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

   Courses Required for the Major 48 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 3 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 4331C Processes for Object-Oriented Software Development 3 hrs
   - EEL 3004C Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEE 3307C Electronics I 4 hrs
   - EEE 3342C Digital Systems 3 hrs
   - EEL 3801C Computer Organization 3 hrs
   - EEL 4742C Embedded Systems 4 hrs
   - EEL 4768 Computer Architecture 3 hrs
   - EEL 4781 Computer Communication Networks 3 hrs
   - COP 4600 Operating Systems 3 hrs
   - EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - EEL 4914 Senior Design I 3 hrs
   - EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - Electives
     - None

9. Additional Requirements
   - Computer engineering students must earn at least 32 hours in residence at UCF.
   - 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.
## 10. Required Minors
- None

## 11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

## 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 128

#### Honors In Major
- None

#### Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates
- None

#### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

### Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

#### Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

### Freshman Year - Fall
- **EGS 1006C** Introduction to the Engineering Profession 1 hr
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **GEP- Historical Foundation** 3 hrs

### Select 1: **3 hrs**
- **SPC 1603C** Fundamentals of Technical Presentations or **SPC 1608** Fundamentals of Oral Communication 3 hrs

### Freshman Year - Spring
- **EGN 1007C** Engineering Concepts and Methods 1 hr
- **ENC 1101** Composition I 3 hrs
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **COT 3100C** Introduction to Discrete Structures 3 hrs

### Sophomore Year - Fall
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **EGN 3211** Engineering Analysis and Computation 3 hrs
- **EGN 3310** Engineering Analysis-Statics 3 hrs
- **MAC 2313** Calculus with Analytic Geometry III 4 hrs
- **GEP- Historical Foundation** 3 hrs

### Sophomore Year - Spring
- **EEL 3004C** Electrical Networks 3 hrs
- **EEE 3342C** Digital Systems 3 hrs
- **MAP 2302** Ordinary Differential Equations I 3 hrs
- **ENC 1102** Composition II 3 hrs
- **GEP-Science Foundation** 3 hrs

### Sophomore Year - Summer
- **EEL 3123C** Networks and Systems 4 hrs
- **EEL 3801C** Computer Organization 3 hrs
- **GEP- Cultural Foundation** 3 hrs

### Junior Year - Fall
- **COP 3330** Object Oriented Programming 3 hrs
- **COP 3502C** Computer Science I 3 hrs
- **STA 3032** Probability and Statistics for Engineers 3 hrs
- **ECE 3307C** Electronics I 4 hrs

### Select 1: **3 hrs**
- **EGN 3321** Engineering Analysis-Dynamics or **EGN 3358** Thermo-Fluids-Heat Transfer 3 hrs

### Junior Year - Spring
- **COP 3503C** Computer Science II 3 hrs
- **EEL 4742C** Embedded Systems 4 hrs
- **EEL 4768** Computer Architecture 3 hrs
- **GEP- Social Foundation** 3 hrs

### Senior Year - Fall
- **COP 4331C** Processes for Object-Oriented Software Development 3 hrs
- **EEL 4914** Senior Design I 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs

### Select 1: **3 hrs**
- **ECO 2013** Principles of Macroeconomics or **ECO 2023** Principles of Microeconomics 3 hrs

### Senior Year - Spring
- **COP 4600** Operating Systems 3 hrs
- **EEL 4915L** Senior Design II 3 hrs
- **EEL 4781** Computer Communication Networks 3 hrs
- **Restricted Elective** 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oias.ucf.edu/academiclearningcompacts.html](http://www.oias.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $42 per term
- Full-Time Student: $84 per term
## UCF Degree Programs

### Computer Science (B.S.)

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**

http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Jenny Shen
Julie Faris

Phone: 407-823-2341

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

### Admission Requirements

- **None**

### Degree Requirements

- **Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.**
- **Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Computer Science Division at UCF.**
- **18 of the 24 Residency hours must be at the 4000-5000 level.**
- **Students must earn at least a 2.0 in each course 2-5.**
- **Students in the Computer Science major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major.**
- **If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.**
- **Students in the Computer Science major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Science who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.**
- **A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any readmission who is readmitted to the Computer Science major will be subject to all probation conditions that applied at the time of exclusion.**

### 1. UCF General Education Program (GEP) (39 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- **Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs**

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311C Calculus with Analytic Geometry I 4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>E: Science Foundations (8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred PHY 2048C Physics for Engineers &amp; Scientists I 4 hrs</td>
</tr>
</tbody>
</table>

**Select 2:** 6 hrs

- **4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.**

| COP 2323C Introduction to Programming with C 3 hrs |
| MAC 2311C Calculus with Analytic Geometry I GEP |
| MAC 2312 Calculus with Analytic Geometry II 4 hrs |
| PHY 2049C Physics for Engineers & Scientists I GEP |
| PHY 2049C Physics for Engineers and Scientists II 4 hrs |

### 2. Common Program Prerequisites (CPP) (17 hrs)

- **A "C" (2.0) or better is required in all courses in this area.**

| See "Common Prerequisites" in the Transfer and Transitions Services section for more information. |
| COP 3330 Object Oriented Programming 3 hrs |
| COP 3502C Computer Science I 3 hrs |
| COP 3521C Computer Science II 3 hrs |
| CDA 3103C Computer Logic and Organization 3 hrs |
| COT 3100C Introduction to Discrete Structures 3 hrs |
| CIS 3380 Security in Computing 3 hrs |
| COP 3402 Systems Software 3 hrs |
| COP 3980 CS Foundation Exam 0 hrs |

**Select 1:** 3 hrs

- **ENC 3241 Writing for the Technical Professional or ENC 3250 Professional Writing 3 hrs**

### 3. Core Requirements: Basic Level (24 hrs)

- **A "C" (2.0) or better is required in all courses in this area.**

| 170 | A: Communication Foundations (9 hrs) |
|-------------------------------------|
| Required ENC 1101 Composition I 3 hrs |
| Required ENC 1102 Composition II 3 hrs |

**Select 1:** 3 hrs

<table>
<thead>
<tr>
<th>E: Science Foundations (8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred PHY 2048C Physics for Engineers &amp; Scientists I 4 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (21 hrs)

- **A "C" (2.0) or better is required in all courses in this area.**

<table>
<thead>
<tr>
<th>S: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred PHY 2048C Physics for Engineers &amp; Scientists I 4 hrs</td>
</tr>
</tbody>
</table>

**Select 2:** 6 hrs

| 170 | A: Communication Foundations (9 hrs) |
|-------------------------------------|
| Required ENC 1101 Composition I 3 hrs |
| Required ENC 1102 Composition II 3 hrs |

**Select 1:** 3 hrs

<table>
<thead>
<tr>
<th>E: Science Foundations (8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred PHY 2048C Physics for Engineers &amp; Scientists I 4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (15 hrs)

- **A "C" (2.0) or better is required in all courses in this area.**

<table>
<thead>
<tr>
<th>4000-5000 level Computer Science courses 9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).</td>
</tr>
</tbody>
</table>
Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs
  - MAS 3105 Matrix and Linear Algebra 4 hrs
  - MAS 3106 Linear Algebra 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

8. Electives (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $57 per term

Plan of Study

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- COP 3100C Introduction to Discrete Structures 3 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103C Computer Logic and Organization 3 hrs
- MAC 3960 CS Foundation Exam 0 hrs

Freshman Year - Summer 7 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall 13 hrs
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 13 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CIS 3360 Security in Computing 3 hrs

Select 1:
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing 3 hrs

Sophomore Year - Summer 6 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall 13 hrs
- COP 4100C Operating Systems 3 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring 13 hrs
- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
- COP 4210 Discrete Structures II 3 hrs

Senior Year - Fall 16 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- COP 4934 Senior Design I 3 hrs
- Multicultural Elective 3 hrs

Senior Year - Spring 12 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Math/Stat Restricted Elective 3 hrs
- COP 4935 Senior Design II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html
Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oloufa@ucf.edu
Phone: 407-823-2841

Admission Requirements
■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
■ Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
■ A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
■ Students in the Construction Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
■ Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.
■ A grade of “C” (2.0) or better is required in each pre-requisite course for courses in section 2 Common Program Prerequisites before transferring.

1 UCF General Education Program (GEP) (38 hrs)
■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select one class from Social Foundation Group 1 3 hrs
Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ A grade of “C” (2.0) or better is required in each course in this section.
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry 4 hrs
- or - First alternative: Select both of the following:
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- ENC 3331 Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

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1 EGN 3613  Engineering Economic Analysis  2 hrs
1 ENV 3001  Introduction to Environmental Engineering  3 hrs
1 CWR 3201  Engineering Fluid Mechanics  3 hrs
1 CCE 4003  Introduction to the Construction Industry  3 hrs
1 CCE 4034  Construction Estimating and Scheduling  3 hrs
1 CCE 4813  Mechanical and Electrical Systems for Buildings  4 hrs

CCE 4402  Construction Equipment and Productivity  3 hrs
1 CCE 4004  Construction Methods  3 hrs
CGN 3501C  Civil Engineering Materials  3 hrs
CGN 3700C  Civil Engineering Measurements  4 hrs
CWR 4632C  Water Resources Engineering I  4 hrs
ACG 2071  Principles of Managerial Accounting  3 hrs
1 CES 4100C  Structural Analysis I and Lab  4 hrs

Structural Depth  3 hrs
CES 4605  Steel Structures or  3 hrs
CES 4702  Reinforced Concrete Structures  3 hrs

Additional Area Depth Sequence
- Geotechnical Engineering
  CEG 4011C  Geotechnical Engineering I and  4 hrs
  CEG 4012  Geotechnical Engineering II  3 hrs
- Transportation Engineering
  TTE 3810  Highway Engineering and  3 hrs
  TTE 4274  Transportation Engineering Systems  3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives  (3 hrs)
  - Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements  (6 hrs)
  - Required Senior Design Courses
    1 CCE 4810C  Construction Design Project  3 hrs
    CGN 4808C  CECE Capstone Design  3 hrs

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

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

Graduation
  - None

8. Electives
  - None

9. Additional Requirements
  - Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
  - None

11. Departmental Exit Requirements
  - None

12. University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF.
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
  - 128

Honors in Major
  - None

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UCF Degree Programs

Related Programs
- Civil Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
- Business

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the departmental academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study  (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
  ENC 1101  Composition I  3 hrs
  GEP 3 hrs
  MAC 2311C  Calculus with Analytic Geometry I  4 hrs
  EGS 1006C  Introduction to the Engineering Profession  1 hr

Freshman Year - Spring
  ENC 1102  Composition II  3 hrs
  GEP 3 hrs
  MAC 2312  Calculus with Analytic Geometry II  4 hrs
  PHY 2048C  Physics for Engineers & Scientists I  4 hrs
  EGN 1007C  Engineering Concepts and Methods  1 hr

Sophomore Year - Fall
  MAC 2313  Calculus with Analytic Geometry III  4 hrs
  CHS 1440  Principles of Chemistry  4 hrs
  EGN 3310  Engineering Analysis-Statics  3 hrs
  EGN 3613  Engineering Economic Analysis  2 hrs
  GEP 3 hrs

Sophomore Year - Spring
  MAP 2302  Ordinary Differential Equations I  3 hrs
  EGN 3311  Mechanics of Materials  3 hrs
  PHY 2049C  Physics for Engineers and Scientists II  4 hrs
  ENV 3001  Introduction to Environmental Engineering  3 hrs
  GEP 3 hrs

Sophomore Year - Summer
  CCE 4003  Introduction to the Construction Industry  3 hrs
  CWR 3201  Engineering Fluid Mechanics  3 hrs
  EGN 3321  Engineering Analysis-Dynamics  3 hrs

Junior Year - Fall
  CES 4100C  Structural Analysis I and Lab  4 hrs
  GEP 3 hrs
  CCE 4034  Construction Estimating and Scheduling  3 hrs
UCF Degree Programs

2. Common Program Prerequisites (CPP)
   E: Science Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   C: Mathematical Foundations (6 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   A: Communication Foundations (9 hrs)

1. UCF General Education Program (GEP) (36 hrs)
   - Each core course
   - Core requirements and the restricted electives.
   - Usually be completed in the first 60 hours.
   - Program before transferring within the Florida College System.
   - Students must earn a minimum 2.0 overall GPA in the GEP.
   - Students must complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Degree Requirements
- None

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University system.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

Junior Year - Spring (16 hrs)
- CCE 4004: Construction Methods (3 hrs)
- CCE 4402: Construction Equipment and Productivity (3 hrs)
- CGN 3501C: Civil Engineering Materials (3 hrs)
- CGN 3700C: Civil Engineering Measurements (4 hrs)

Concrete or Steel (3 hrs)
- CES 4605: Steel Structures or (3 hrs)
- CES 4702: Reinforced Concrete Structures (3 hrs)

Senior Year - Fall (13 hrs)
- CCE 4810C: Construction Design Project (3 hrs)
- CWR 4632C: Water Resources Engineering I (4 hrs)
- Approved Technical Elective (3 hrs)

Select 1:
- CEG 4011C: Geotechnical Engineering I or (4 hrs)
- TTE 3810: Highway Engineering (3 hrs)

Senior Year - Spring (12 hrs)
- CGN 4808C: CEE Capstone Design (3 hrs)
- ACG 2071: Principles of Managerial Accounting (3 hrs)
- GEP (3 hrs)

Select 1:
- Take subsequent course to one selected in Fourth Year Fall.
- CEG 4012: Geotechnical Engineering II or (3 hrs)
- TTE 4274: Transportation Engineering Systems (3 hrs)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $43 per term
- Full-Time Student: $85 per term

Criminal Justice (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University system.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3024: Criminal Justice System (3 hrs)
   - CCJ 3014: Crime in America (3 hrs)
   - CJL 3510: Prosecution and Adjudication (3 hrs)
   - CJC 3010: Corrections and Penology (3 hrs)
   - CJE 4014: Police and Society (3 hrs)
   - CCJ 4701: Research Methods in Criminal Justice (3 hrs)
   - CCJ 4746: Data Analysis for Criminal Justice (3 hrs)

5. Restricted Electives (39 hrs)
   - 27 additional semester hours of upper-division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies
Criminal Justice Scholar’s Track (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs 1, Room: Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu

Cory Watkins, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements

- An application is required. Minimum GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (33 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3014 Crime in America 3 hrs
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 4934 Emergent Criminal Justice Issues 3 hrs

Scholar’s Seminar 12 hrs

- Students accepted into CJ Scholar’s Track will take CCJ 4934 four times with different topics for a total of 12 hours.
- CCJ 4934 Emergent Criminal Justice Issues 3 hrs

5. Restricted Electives (27 hrs)

- 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

Related Minors

- Legal Studies
- Public Administration
- Psychology

Advising Notes

- None

Transfer Notes

- “D” (1.0) grades are not accepted.
- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Math 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- GEP Science 3 hrs
- GEP Cultural 3 hrs
- GEP Social 3 hrs

Sophomore Year - Fall 15 hrs
- GEP Communication 3 hrs
- CCJ 3014 Crime in America 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJL 3510 Prosecution and Adjudication 3 hrs

Junior Year - Fall 15 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CJ Elective 3 hrs

Junior Year - Spring 15 hrs
- CJE 4014 Police and Society 3 hrs
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 6 hrs

Senior Year - Spring 15 hrs
- 1 Free Elective 3 hrs
- 1 Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CCJ Internship 6 hrs

1 If necessary
6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing a B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
- None

9. Additional Requirements
- Students whose GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies

Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- Students are not accepted into Internship Program with grades less than a “C” in core courses.

Transfer Notes
- “D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Spring

14 hrs

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tr>
<td>ENC 1102</td>
<td>Composition I</td>
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<td>1 PAF 2102</td>
<td>Public Affairs Careers</td>
<td>2 hrs</td>
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<td>GEP Math</td>
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<tr>
<td>GEP Social</td>
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<tr>
<td>GEP Historical</td>
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1 CJE 3001 Optional Replacement Course for PAF 2102

Sophomore Year - Fall

15 hrs

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<tr>
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<td>CCJ 3014</td>
<td>Crime in America</td>
<td>3 hrs</td>
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<td>GEP Historical</td>
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<td>GEP Science</td>
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Sophomore Year - Spring

15 hrs

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<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3 hrs</td>
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<tr>
<td>CJL 3510</td>
<td>Prosecution and Adjudication</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
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Junior Year - Fall

15 hrs

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<tr>
<td>CCJ 4701</td>
<td>Research Methods in Criminal Justice</td>
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<tr>
<td>CCJ 3010</td>
<td>Corrections and Penology</td>
<td>3 hrs</td>
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<td>CCJ 4934</td>
<td>Emergent Criminal Justice Issues</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
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Junior Year - Spring

15 hrs

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<tr>
<td>CJE 4014</td>
<td>Police and Society</td>
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<tr>
<td>CCJ 4746</td>
<td>Data Analysis for Criminal Justice</td>
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<td>CCJ 4934</td>
<td>Emergent Criminal Justice Issues</td>
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<td>Supporting Elective</td>
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Senior Year - Fall

15 hrs

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<th>Hours</th>
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<td>Emergent Criminal Justice Issues</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CJ Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Free Elective</td>
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Senior Year - Spring

15 hrs

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<td>Free Elective</td>
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</tr>
<tr>
<td>CCJ 4934</td>
<td>Emergent Criminal Justice Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ Elective or CCJ Internship</td>
<td>6 hrs</td>
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</tr>
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</table>

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Digital Media (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/

Email: svadadvising@ucf.edu
Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://cstore.ucf.edu/) for the minimum hardware and software specifications.
Degree Requirements

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Take all of the following: 9 hrs
   Required ARH 2050 History of Western Art I and 3 hrs
   Required ARH 2051 History of Western Art II and 3 hrs
   Select one additional course from approved list 3 hrs
   C: Mathematical Foundations (7 hrs)
   Required COP 2500C Concepts in Computer Science 4 hrs
   Required MAC 1105C College Algebra 3 hrs
   1 (May substitute more advanced version)

2. Common Program Prerequisites (CPP) (6 hrs)
   ARH 2050 History of Western Art I
   ARH 2051 History of Western Art II
   ART 2201C Fundamentals of Interactive Design
   ART 2300C Drawing Fundamentals 1
   COP 2500C Concepts in Computer Science
   MAC 1105C College Algebra

3. Core Requirements: Basic Level (12 hrs)
   Admission to all courses after DIG 2000 is dependent on the student achieving at least a "B" (3.0) in DIG 2000.

4. Core Requirements: Advanced Level (12 hrs)

5. Required Minors

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

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.

8. Electives

9. Additional Requirements

10. Required Minors

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

13. Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

14. None

15. None

16. None

17. None

18. None
## UCF Degree Programs

### Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

### Sophomore Year - Fall 15 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- GEP Communication Foundation 3 hrs

### Sophomore Year - Spring 15 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs

### Junior Year - Fall 13 hrs
- ARH 2051 History of Western Art II 4 hrs
- COP 2500C Concepts in Computer Science 4 hrs
- ENC 1102 Composition II 3 hrs
- GEP Social Foundation 3 hrs

### Senior Year - Fall 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- COP 2500C Concepts in Computer Science 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Social Foundation 3 hrs

### Freshman Year - Summer 6 hrs
- GEP Science Foundation 3 hrs
- GEP Science Foundation 3 hrs

### Sophomore Year - Summer 6 hrs
- GEP Science Foundation 3 hrs
- GEP Science Foundation 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Early Childhood Development and Education

#### Track 1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@mail.ucf.edu

Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL.
Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Pass the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major.
- 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)

#### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: 3 hrs
  - Prefer MUL 2010 Enjoyment of Music 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy 3 hrs
  - Prefer THE 2000 Theatre Survey 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. Common Program Prerequisites (CPP) (9 hrs)

#### Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

#### Select 1:
- Suggested MGF 1106 Finite Mathematics or Suggested MGF 1107 Explorations in Mathematics 3 hrs

### 3. Core Requirements: Basic Level (15 hrs)

#### Other Program Prerequisites
- Prefer EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

#### Select 1:
- Prefer MAC 1105C College Algebra or MAC 2201 Calculus 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

#### Select 1:
- Prefer ARE 2000 Early Childhood Art and Creativity or MUE 2211 Early Childhood Music and Movement Elective 3 hrs

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

### 4. Core Requirements: Advanced Level (60 hrs)

#### Select 1:
- All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

#### Semester I
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4309 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools 3 hrs

#### Semester II
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
## UCF Degree Programs

### Summer 6 hrs
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Pre-kindergarten/Primary PK -3)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

### 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.
- Acceptable Substitutes for Transfer Courses
- Related Programs
- Certificates
- Related Minors
- Advising Notes
- Transfer Notes
- Acceptable Substitutes for Transfer Courses
- Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

### Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

### Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

### Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey 3 hrs

### Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

### Select 1: 3 hrs
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

### Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

### Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

### Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 Elective (Prefers course from section B1) 3 hrs

### Sophomore Year - Spring 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- CEP B3 Elective (Prefers course from section B1) 3 hrs

### Sophomore Year - Summer 3 hrs
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

## Graduation
- None

## Electives
- None

## Additional Requirements
- None

## Required Minors
- None

## 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. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

## University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

## Undergraduate Catalog 2015-2016
### Program Academic Learning Compacts
- **Junior Year - Fall**
  - Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts 3 hrs
  - EXE 4751 Parent Involvement in Education 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- **Junior Year - Spring**
  - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs
- **Junior Year - Summer**
  - Please note: Passing scores on the Professional Education Test (PdEd) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portions of the FTCE are required 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**
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
- **Senior Year - Spring**
  - EEC 4943 Student Teaching 12 hrs

### Degree Requirements
- **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 SPH 1000 Fundamentals of Oral Communication 3 hrs
  - **B: Cultural & Historical Foundations** (9 hrs)
    - General Education Program elective from section B2: 3 hrs
      - Prefer MUL 2010 Enjoyment of Music or 3 hrs
      - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
      - Prefer THE 2000 Theatre Survey 3 hrs
    - General Education Program elective from section B1 to meet Gordon Rule Requirement. 3 hrs
    - General Education Program elective: Prefer a second course from GEP section B1.
  - **C: Mathematical Foundations** (6 hrs)
    - Prefer MGF 1106 Finite Mathematics or 3 hrs
    - Prefer MGF 1107 Explorations in Mathematics 3 hrs
    - Select 1: 3 hrs
      - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
      - Prefer STA 2014C Principles of Statistics 3 hrs
  - **D: Social Foundations** (6 hrs)
    - Prefer PSY 2012 General Psychology 3 hrs
    - Prefer POS 2041 American National Government 3 hrs
  - **E: Science Foundations** (6 hrs)
    - Prefer PSC 1121 Physical Science 3 hrs
    - Select 1: 3 hrs
      - Prefer ANT 2511 The Human Species or 3 hrs
      - Prefer BSC 1005 Biological Principles 3 hrs
  - **2. Common Program Prerequisites (CPP)** (6 hrs)
    - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
    - EDF 2085 Introduction to Diversity for Educators 3 hrs
    - DEP 2004C Developmental Psychology 3 hrs
  - **3. Core Requirements: Basic Level** (18 hrs)
    - MUE 2211 Early Childhood Music and Movement 3 hrs
    - ARE 2000 Early Childhood Art and Creativity 3 hrs
    - SYG 2010 Social Problems 3 hrs
    - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
    - Restricted Elective with Advisor approval 3 hrs
    - Select 1: 3 hrs
      - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
      - SOW 3104 Human Behavior and the Social Environment I 3 hrs
4. Core Requirements: Advanced Level (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development.
   - However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

   **Semester I**
   - 15 hrs
     - EEC 3700 Social and Emotional Development of Young Children 3 hrs
     - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
     - RED 3310 Early Reading, Writing and Language Arts 3 hrs
     - EEX 4751 Parent Involvement in Education 3 hrs
     - Restricted Elective with Advisor approval (3/4XXX level) 3 hrs

   **Semester II**
   - 15 hrs
     - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
     - EEC 3613 Observation and Assessment of Young Children 3 hrs
     - EEC 4402 Cultural and Family Systems 3 hrs
     - EEX 3450 Young Children With Special Needs 3 hrs
     - EEC 3008 Early Childhood Children’s Literature 3 hrs

   **Semester III**
   - 6 hrs
     - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
     - EEC 4528 Infant/Toddler Care and Education 3 hrs

   **Semester IV**
   - 12 hrs
     - PET 4050C Motor Development and Learning 3 hrs
     - EEC 4414 Parent-Child Relations 3 hrs

   **Select Two Early Childhood Development Track Electives**
   - Note: Students must consult with their advisor regarding approval for other elective options.
   - EEC 4268 Curriculum Activities in Early Childhood or 3 hrs
   - EEC 4524 Organization and Management in Early Childhood or 3 hrs
   - EXP 3604C Cognitive Psychology or 4 hrs
   - PEO 3041 Games Analysis or 3 hrs
   - PET 3820 Teaching Sports Skills I or 3 hrs
   - PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools or 3 hrs
   - SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
   - SOW 4654 Children’s Services or 3 hrs
   - EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
   - SOW 3104 Human Behavior and the Social Environment I 3 hrs

   **Semester V**
   - 12 hrs
     - EEC 4940 Practicum: Early Childhood Development 12 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   **Graduation**
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum overall 2.75 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   **Total Semester Hours Required**
   - 120

   **Honors In Major**
   - None

   **Related Programs**
   - None

   **Certificates**
   - None

   **Related Minors**
   - None

   **Advising Notes**
   - In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
   - Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.
   - Students interested in Child Life Specialist Certification: Select SOW 3104 Human Behavior and the Social Environment I as a prerequisite course AND take EEC 4744 Child Life: Psychosocial Care of Children in Health Settings as an elective course

   **Transfer Notes**
   - Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

   **Acceptable Substitutes for Transfer Courses**
   - None

   **Plan of Study**
   - Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.
Junior Year - Summer 6 hrs
Junior Year - Spring 12 hrs
Junior Year - Fall 15 hrs
Sophomore Year - Spring 12 hrs
Junior Year - Fall 15 hrs
Junior Year - Summer 6 hrs
Senior Year - Fall 12 hrs
Senior Year - Spring 12 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/academiclearningcompacts.html

Early Childhood Development and Education
Track 3: Early Childhood Careers (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary- Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements

Completion of the A.S. degree in Early Childhood Education at Seminole State College
Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.
Meet the Gordon Rule Requirement.
Meet Foreign Language Admission Requirement.

Degree Requirements

Students must seek advisement with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

1. UCF General Education Program (GEP) (36 hrs)
Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.
30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
Prefer MUL 2010 Enjoyment of Music or 3 hrs
Prefer PHI 2010 Introduction to Philosophy or 3 hrs
Prefer THE 2000 Theatre Survey 3 hrs
General Education Program elective from Section B1 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Prefer MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 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 or 3 hrs
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP)
- None

#### 3. Core Requirements: Basic Level (18 hrs)
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

#### 4. Core Requirements: Advanced Level (51 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- EEC 3008 Early Childhood Children’s Literature 3 hrs
- EXE 3450 Young Children With Special Needs 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4211 Science and Math Learning for Young Children 3 hrs
- EEC 4260 Early Childhood Program Evaluation 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children’s Behavior Practicum: Early Childhood Careers 3 hrs
- EEC 4942 Practicum: Early Childhood Careers 9 hrs

**Practicum Requirement Note:** Students may have the option to substitute coursework for some portion of the Practicum requirement. The substitution(s) must be approved by the student’s Early Childhood Development and Education B.S. - Track 3: Early Childhood Careers Faculty Advisor.

#### 5. Restricted Electives (9 hrs)
- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.
- 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum GPA of 2.75 for all courses within the major.
- All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or higher in each upper level major course in order to meet program requirements.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. The State University System requires that students complete two years of the same foreign language/ American Sign Language in high school, or two semesters (6-10 credit hours) of college level foreign language/ American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

**Transfer Notes**
- Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
- Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

**Acceptable Substitutes for Transfer Courses**
- EEC 1000 substitutes for EDF 2130 or DEP 2004C

**Plan of Study** (60 hrs)
- Assuming general education and admission requirements for Track 3: Early Childhood Careers are complete
- Follow the recommended Plan of Study

**Junior Year - Fall**  15 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- Restricted Elective with Advisor approval 3 hrs
Junior Year - Summer 6 hrs

C: Mathematical Foundations (6 hrs)

B: Cultural & Historical Foundations (9 hrs)

A: Communication Foundations (9 hrs)

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

hours.

Prerequisite courses are usually completed in the first 60

Department.

major must adopt the most current catalog requirements.

Degree Requirements

• None

Admission Requirements

• None

Degree Requirements

• Students who change degree programs and select this major must adopt the most current catalog requirements.

• Students should consult with the major advisor for the Department.

• General Education Program and Common Program

Prerequisite courses are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

Prefer SPC 1008 Fundamentals of Oral

Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required STA 2023 Statistical Methods I

Required MAC 1105C College Algebra
### Plan of Study

#### Freshman Year - Fall

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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>MAC 1105G</td>
<td>College Algebra</td>
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<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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#### Freshman Year - Spring

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<td>STA 2023</td>
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#### Sophomore Year - Fall

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<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
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<td>Science Foundation I (GEP)</td>
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<td>Historical Foundation I (GEP)</td>
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#### Sophomore Year - Spring

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<td>STA 4163 or STA4321</td>
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#### Senior Year - Fall

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<tr>
<td>Free Elective</td>
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</tbody>
</table>

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 11. Departmental Exit Requirements

- Students majoring in Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Advising Notes

- None

### Equipment Fees

- Full-Time Student: $30 per term
- Part-Time Student: $15 per term

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Admisssion Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

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Economics, Business (B.S.B.A.)

College of Business Administration

Department of Economics,

Business Administration II, Room: 305


Michael Caputo, mcaputo@bus.ucf.edu
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Not eligible for a double degree with another College of Business Administration major.
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Business Economics must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Economics must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:
  - ECO 3411 Quantitative Business Tools II 3 hrs

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

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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2033 Principles of Macroeconomics 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select 1: 3 hrs
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - MAC 2233 Concepts of Calculus and Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (34 hrs)

Primary Core 15 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core 13 hrs
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Major Courses 6 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (21 hrs)
- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
  - ECO 3423 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECP 3004 Seminar on Current Economic Topics 3 hrs
  - ECP 3203 Labor Economics 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECS 4013 Development Economics 3 hrs
  - ECO 4903 Topics in Econometrics 3 hrs
  - EPS 4530 Health Economics 3 hrs

Business Elective 3 hrs

- Choose any upper level business course.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECO 4903 Topics in Econometrics 3 hrs

6. Capstone Requirements (4 hrs)
- An approved intent to Graduate must be on file in order to register for MAN 4720.
  - ECO 4902 Capstone in Economics 1 hr
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

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

Graduation
- None
8. Electives
- Variable
9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.
UCF Degree Programs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed both the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 59 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

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

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

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

#### Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3003 Career Research & Planning 1 hr

#### Junior Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- Economics Restricted Elective 3 hrs
- Business Elective 3 hrs
- GEB 3005 Career Search Strategy 1 hr

#### Senior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- Economics Restricted Elective 3 hrs
- Economics Restricted Elective 3 hrs
- Elective 2 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

#### Senior Year - Spring
- ECO 4902 Capstone in Economics 1 hr
- Economics Restricted Elective 3 hrs
- Economics Restricted Elective 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Electrical Engineering (B.S.E.E.)

#### College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie

Charlese Hilton-Brown

Phone: 407-823-3327

### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
UCF Degree Programs

Degree Requirements

- Students in the Electrical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations or SPC 1608C Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

- Select 1:
  - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

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

Select 1:
- 1 PHY 2049C
- 2 CHS 1440 Principles of Chemistry or CHM 2045C Chemistry Fundamentals I

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EES 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core 9 hrs

- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or EGN 3338 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 44 hrs

- EEL 3004C Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (10 hrs)

- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs

- Technical elective courses are to be selected by the student from department approved courses.
UCF Degree Programs

6. Capstone Requirements (6 hrs)
   - EEL 4914  Senior Design I  3 hrs
   - EEL 4915L Senior Design II  3 hrs

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

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - Electrical engineering students must earn at least 32 hours in residence at UCF.
   - 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 129

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGS 1006C  Introduction to the Engineering Profession  1 hr
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- GEP- Historical Foundation  3 hrs

Select 1
- 1 SPC 1603C  Fundamentals of Technical Presentations  3 hrs
- or SPC 1608  Fundamentals of Oral Communication  3 hrs

Select 1:
- CHS 1440  Principles of Chemistry or 4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs

Freshman Year - Spring
- EGN 1007C  Introduction to the Engineering Profession  1 hr
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- ENC 1101  Composition I  3 hrs

Select 1:
- ECO 2013  Principles of Macroeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs

Sophomore Year - Fall
- ENC 1102  Composition II  3 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs
- EGN 3310  Engineering Analysis-Statics  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs

Sophomore Year - Spring
- PHY 3101  Physics for Engineers and Scientists III  3 hrs
- EEL 3004C  Electrical Networks  3 hrs
- MAP 2302  Ordinary Differential Equations I  3 hrs
- EEE 3342C  Digital Systems  3 hrs
- GEP- Cultural Foundation  3 hrs

Sophomore Year - Summer
- EGN 3211  Engineering Analysis and Computation  3 hrs
- EEL 3123C  Networks and Systems  4 hrs
- GEP- Social Foundation  3 hrs

Junior Year - Fall
- EEE 3350  Semiconductor Devices I  3 hrs
- EEL 3552C  Analog and Digital Communication Fundamentals  4 hrs
- EEL 3801C  Computer Organization  3 hrs
- GEP- Science Foundation  3 hrs

Junior Year - Spring
- EEE 3307C  Electronics I  4 hrs
- EEL 3657  Linear Control Systems  3 hrs
- EEL 4742C  Embedded Systems  4 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs

Select 1:
- EGN 3321  Engineering Analysis-Dynamics or 3 hrs
- EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

Senior Year - Fall
- EEL 4750  Digital Signal Processing Fundamentals  3 hrs
- EEL 3470  Electromagnetic Fields  3 hrs
- EEL 4914  Senior Design I  3 hrs
- Approved Technical Elective  4 hrs
- GEP-Historical Foundation  3 hrs

Senior Year - Spring
- EEL 4915L  Senior Design II  3 hrs
- EEL 4309C  Electronics II  4 hrs
- Approved Technical Elective  3 hrs
- Approved Technical Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Elementary Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
http://education.ucf.edu/elemented/
Dr. Michelle Kelley, michelle.kelley@ucf.edu, 407-823-1764

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that require certification. The Lifelong Learning (LLL) track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Education Track
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

Lifelong Learning Track
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of "C-" (1.75) or better.
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test (GKT).

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP)  (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations  (9 hrs)
- Required ENC 1101 Composition I  3 hrs
- Required ENC 1102 Composition II  3 hrs
- Prefer SPC 1000 Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
- General Education Program course from section B1  3 hrs
- chosen meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1.  3 hrs

Select 1:  3 hrs
- Prefer THE 2000 Theatre Survey or  3 hrs
- Prefer PHI 2010 Introduction to Philosophy or  3 hrs
- Prefer MUL 2010 Enjoyment of Music  3 hrs

C: Mathematical Foundations  (6 hrs)
- Select 1:  3 hrs
  - Suggested MAC 2233 College Algebra or  3 hrs
  - Suggested MGF 1106 Finite Mathematics or  3 hrs
  - Suggested MGF 1107 Explorations in Mathematics  3 hrs
- Select 1:  3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or  3 hrs
  - Prefer STA 2024C 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
- 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
- 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  (12 hrs)
- Education Track requires 15 hours
- Lifelong Learning Track requires 12 hours
- 1EDF 2130 Child and Adolescent Development for Educators  3 hrs
- 2MAE 2801 Elementary School Mathematics  4 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Education Track  8 hrs
- 1PET 2081 Wellness, Children and Schools  1 hr

1 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Lower Division Electives  7 hrs
- Education track students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program)
- * One associated science lab (BSC 1005L or PSC 1121L)

A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

Lifelong Learning Track  5 hrs
- EDG 2949 Experiential Learning in Education  2 hrs
- MHS 2330 Career Planning  3 hrs

4. Core Requirements: Advanced Level  (60 hrs)
- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

Semester I  15 hrs
- 1EDG 4410 Teaching Strategies and Classroom Management  3 hrs
- EEX 4070 Teaching Exceptional Students  3 hrs
- LAE 3414 Literature for Children  3 hrs
- 1RED 3012 Basic Foundations of Reading  3 hrs
- 1TSL 4080 Theory and Practice of Teaching Esl  3 hrs
- Students in Schools

1 Required prior to Internship I

UNIVERSITY OF CENTRAL FLORIDA
**Education Track: Semester IV (Internship II) 12 hrs**

- In accordance with State Board of Education Rule 6A-5.066.
- Accomplished Practices at the pre-professional level in http://www.education.ucf.edu/clinicalexp/ Office of Clinical Experiences at Deadline dates and applications are available through the admission to Internship II.
- However, a minimum GPA of 2.5 completed with a letter grade of “C-” (1.75) or better before 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://education.ucf.edu/clinicalexp/ for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801 RED 4942 Practicum for Assessment and Instruction of Reading MAE 4326 How Children Learn Mathematics 3 hrs
  1 EDE 3942 Internship I 3 hrs
  1 EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

1 EDE 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Education Track: Semester IV (Internship II) 12 hrs**

- 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 prior to 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://education.ucf.edu/clinicalexp/ for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801 RED 4942 Practicum for Assessment and Instruction of Reading MAE 4326 How Children Learn Mathematics 3 hrs
  1 EDE 3942 Internship I 3 hrs
  1 EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

1 EDE 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Education Track: Semester IV (Internship II) 12 hrs**

- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Elementary Education K-6)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EDE 4943 Internship II (Elementary) 12 hrs

**Lifelong Learning Track Specialization 21 hrs**

- Students must have a total of 48 or more hours of upper level courses to graduate.
- Three (3) hours of Lifelong Learning Specialization coursework should be completed prior to your Sophomore year. Refer to the Plan of Study for the recommended sequence of courses.
- Eighteen (18) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- PET 2081 Wellness, Children and Schools 1 hr
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3118 Digital Tools and Technologies: Graphic Design 3 hrs
- DIG 3554 Digital Tools and Technologies: Web Design 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- EEX 2090 Exceptional Populations in School and Society 3 hrs
- EXP 3604C Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EEE 4601 Introduction to Behavior Management 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs

**Lifelong Learning Track: Semester III 12 hrs**

- EDG 4949 Experiential Learning in Education 3 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- Choose Lifelong Learning Specialization courses 3 hrs
- Choose Lifelong Learning Specialization courses 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Education Track
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs

Select 1:
- MUL 210 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2100 Introduction to Philosophy 3 hrs

Education Track
- MAC 1105C College Algebra 3 hrs

Lifelong Learning Track
- MAC 1105C College Algebra or 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring
- Education Track requires 12 hours
- Lifelong Learning Track requires 12 hours
  1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
  1 ENC 1102 Composition II 3 hrs
  1 PSY 2012 General Psychology 3 hrs
  1 PSC 1121 Physical Science 3 hrs

Education Track
- PSC 1121L Physical Science Lab 1 hr

Lifelong Learning Track
- MHS 2330 Career Planning 3 hrs

Sophomore Year - Fall
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- EDE 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Sophomore Year - Spring
- EDE 3942 Internship I 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

Junior Year - Fall
- EDE 4949 Experiential Learning in Education 2 hrs
- EDG 4949 Experiential Learning in Education 2 hrs
- PET 2081 Wellness, Children and Schools 1 hr

Junior Year - Spring
- EDE 3943 Internship II (Elementary) 12 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

Senior Year - Fall
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs

Senior Year - Spring
- EDE 4223 Internship II (Elementary) 12 hrs
UCF Degree Programs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $6 per term
- Full-Time Student: $12 per term

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
Preferred LIT 2110 World Literature I 3 hrs
Preferred LIT 2120 World Literature II 3 hrs
Select one class from B.1 list 3 hrs

C: Mathematical Foundations
Math: 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam

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

D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)
ENC 1101 Composition I GEP 3 hrs
ENC 1102 Composition II GEP 3 hrs

1 See Transfer Notes for possible substitutions. See "Common Prerequisites" in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)
CRW 3013 Creative Writing for English Majors 3 hrs
1 ENG 3014 Theories and Techniques of Literature 3 hrs
Study
CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)
- Literary History Requirement
- Choose four courses from these two groupings

Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 4220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 18th Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
AML 3286 Early American Women’s Words or 3 hrs
AML 3640 Native American Literature or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
ENL 3296 Gothic Literature or 3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs
AML 4011 American Novel or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (15 hrs)
- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

Select 2: 6 hrs
CRW 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 or 3 hrs

b. Choose two of the following: 6 hrs

Select 2: 6 hrs
CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
1 CRW 4224 Advanced Nonfiction Workshop or 3 hrs
CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
CRW 4616 Advanced Scriptwriting Workshop or 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following: 3 hrs

Select 1: 3 hrs
CRW 3311 Readings in Poetry for Creative Writing or 3 hrs
CRW 3340 Literary Magazines or 3 hrs
CRW 4114 History of Prose Style or 3 hrs
CRW 4724 The Florida Review or 3 hrs
CRW 4014 The Writing Life or 3 hrs
CRW 4722 Editing for Creative Writers or 3 hrs
any other CRW elective or Special Topics course or 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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 and achieve a minimum GPA of 2.0 in all
      courses used towards the major.
    - Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be
      completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence,
      CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon
      Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - Application and admission through the English Honors
     Committee and the Honors College.
   - Fulfill University requirements for Honors in the Major.
   - Grade of “B” (3.0) or better in an English graduate or
     undergraduate course or in a graduate or undergraduate
     course outside the major that relates to thesis with approval
     (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
   - Successful completion and oral defense of Honors
     thesis.

Related Programs
   - English - Technical Communication
   - English - Literature

Certificates
   - None

Related Minors
   - Linguistics
   - English - Technical Communication
   - Writing and Rhetoric
   - English - Literature

Advising Notes
   - None

Transfer Notes
   - Lower division courses do not substitute for upper
     division courses.
   - Courses transferred from private and out-of-state
     schools must be evaluated for equivalency credit. The
     student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - One of numerous possible plans of study. See program
     description for all requirements. Consult a departmental
     advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
   - ENC 1101 Composition I 3 hrs
   - HUM 2210 Humanistic Tradition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - POS 2041 American National Government 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - CHM 1020 Concepts in Chemistry 3 hrs
   - LIT 2110 World Literature I 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   - SPN 1120C Elementary Spanish Language and
     Civilization I 4 hrs

Sophomore Year - Fall
   - LIT 2120 World Literature II 3 hrs
   - PSY 2012 General Psychology 3 hrs
   - SPN 1121C Elementary Spanish Language and
     Civilization II 4 hrs
   - 1 Restricted Elective 3 hrs
   - BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - AML 3031 American Literature I 3 hrs
   - ENL 3296 Gothic Literature 3 hrs
   - SPN 2200 Intermediate Spanish Language and
     Civilization I 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing 3 hrs

Junior Year - Fall
   - ENS 3014 Theories and Techniques of Literature
     Study 3 hrs
   - AML 3041 American Literature II 3 hrs
   - CRW 3211 Creative Nonfiction Writing 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs

Junior Year - Spring
   - ENL 4101 English Novel 3 hrs
   - CRW 3120 Fiction Writing Workshop 3 hrs
   - CRW 4224 Advanced Nonfiction Workshop 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs

Senior Year - Fall
   - CRW 3311 Readings in Poetry for Creative Writing 3 hrs
   - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 1 hr

Senior Year - Spring
   - CRW 3610 Writing Scripts 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning
     outcomes) for undergraduate programs are located at:
     http://www.oecs.ucf.edu/academiclearningcompacts.html

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Phone: 407-823-5596

Admission Requirements
   - None

Degree Requirements
   - Students who change degree programs and select this
     major must adopt the most current catalog.
   - Students must earn at least a “C” (2.0) in each required
     course.
   - Co-op or internship credit is not accepted in the major.

UNIVERSITY OF CENTRAL FLORIDA
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from B.1 list 3 hrs

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

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

D: Social Foundations

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- 1. ENC 1101 Composition I GEP
- 2. ENC 1102 Composition II GEP
- 3. See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
- 1. ENG 3014 Theories and Techniques of Literature Study

Choose one gateway course 3 hrs
- CRW 3013 Creative Writing for English Majors or 3 hrs
- ENC 1101 Composition I or 3 hrs
- CRW 3053 Theory & Practice of Creative Writing or 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- AML 3286 Early American Women's Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3041 American Literature II or 3 hrs
- AML 3283 Contemporary American Women's Fiction or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs

Select 1: 3 hrs
- AML 4265 Florida Writers or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4253 The Victorian Age or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- LIT 3062 Continental European Fiction Since 1900 or 3 hrs
- LIT 3192 Caribbean Literature or 3 hrs
- LIT 4043 Modern Drama As Literature or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- LIT 4303 Post-World War II Fiction or 3 hrs
- LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (15 hrs)
- Upper Division Requirements

Choose one single author or major author course:
- Select 1: 3 hrs
  - AML 4300 Major American Authors or 3 hrs
  - ENL 4311 Chaucer or 3 hrs
  - ENL 4341 Milton and His Age or 3 hrs
  - ENL 4333 Shakespeare Studies or 3 hrs
  - ENL 4303 British Authors or 3 hrs
  - LIT 4244 World Authors 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 4680 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, LIT or ENG prefix

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
### UCF Degree Programs

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

#### Honors In Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

### Related Programs
- English - Creative Writing
- English - Technical Communication

### Certificates
- None

### Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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### Freshman Year - Spring
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
<td>3 hrs</td>
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<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>^1 SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
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</table>

^1 Any language course at this level is acceptable.

### Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
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<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<td>Restricted Elective</td>
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<td>^1 SPN 1121C</td>
<td>Elementary Spanish Language and Civilization II</td>
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^1 Any language course at this level is acceptable.

### Sophomore Year - Spring
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<th>Course Title</th>
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<tbody>
<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3041</td>
<td>American Literature II</td>
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<tr>
<td>^1 SPN 2200</td>
<td>Intermediate Spanish Language and Civilization I</td>
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^1 Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

### Junior Year - Fall
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
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<tr>
<td>ENL 4273</td>
<td>Modern British Literature</td>
<td>3 hrs</td>
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<tr>
<td>LIN 4105</td>
<td>History of the English Language</td>
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### Junior Year - Spring
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<tbody>
<tr>
<td>ENL 3231</td>
<td>Restoration Literature</td>
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<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4333</td>
<td>Shakespeare Studies</td>
<td>3 hrs</td>
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<td>Restricted Elective</td>
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### Senior Year - Fall
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<tbody>
<tr>
<td>AML 4101</td>
<td>American Novel</td>
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<tr>
<td>ENL 4253</td>
<td>The Victorian Age</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
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<tr>
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<td>3 hrs</td>
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### Senior Year - Spring
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<th>Course Title</th>
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<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
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<tr>
<td>Restricted Elective</td>
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</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### English - Technical Communication (B.A.)

#### College of Arts and Humanities

#### Department of English, Colbourn Hall, Room: 405

#### http://english.ucf.edu

#### Email: english@ucf.edu

#### Phone: 407-823-5596

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

   **A: Communication Foundations** (9 hrs)
   - Required: ENC 1101 Composition I 3 hrs
   - Required: ENC 1102 Composition II 3 hrs
   - Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Suggested: MGF 1106 Finite Mathematics or 3 hrs
   - Suggested: MGF 1107 Explorations in Mathematics or 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   **C: Mathematical Foundations** (6 hrs)
   - Math: 3 hrs

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

   **D: Social Foundations** (6 hrs)

   **E: Science Foundations** (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (6 hrs)
   - Select 1: 3 hrs
     ENC 3241 Writing for the Technical Professional 3 hrs

   Select 1: 3 hrs
     CRW 3013 Creative Writing for English Majors or 3 hrs
     ENG 3014 Theories and Techniques of Literature or Study or 3 hrs
     CRW 3053 Theory & Practice of Creative Writing 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - Select 1: 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
     LIT 4433 Literature of Science and Technology 3 hrs

   Select 1: 3 hrs
     ENC 4215 Technical Publication and Project Management or 3 hrs
     ENC 4218 The Visual in Technical Documentation 3 hrs

Literary History Requirement 9 hrs
   - Choose three courses from these two groupings

   Select at least one of these pre-1865 literature courses
     AML 3031 American Literature I or 3 hrs
     AML 3613 Narratives of Slavery or 3 hrs
     ENL 2012 English Literature I or 3 hrs
     ENL 4220 English Renaissance Poetry and Prose or 3 hrs
     ENL 4230 18th Century Studies or 3 hrs
     ENL 4240 English Romantic Writers or 3 hrs
     ENL 4311 Chaucer or 3 hrs
     ENL 4333 Shakespeare Studies or 3 hrs
     ENL 4341 Milton and His Age or 3 hrs
     LIT 4374 Literature of the Bible or 3 hrs
     AML 3286 Early American Women’s Words or 3 hrs
     AML 3640 Native American Literature or 3 hrs
     ENL 3296 Gothic Literature 3 hrs

   Select at least one of these post 1865 literature courses
     AML 3041 American Literature II or 3 hrs
     AML 3283 Contemporary American Women's Fiction or 3 hrs
     AML 3614 Topics in African-American Literature or 3 hrs
     AML 3615 Harlem, Haiti, and Havana or 3 hrs
     AML 4101 American Novel or 3 hrs
     AML 4155 Modern American Poetry or 3 hrs
     AML 4261 Literature of the South or 3 hrs
     AML 4265 Florida Writers or 3 hrs
     AML 4321 Modern American Literature or 3 hrs
     AML 4630 Latino/Latina Literature or 3 hrs
     ENL 2022 English Literature II or 3 hrs
     ENL 4101 English Novel or 3 hrs
     ENL 4253 The Victorian Age or 3 hrs
     ENL 4262 Nineteenth Century British Prose or 3 hrs
     ENL 4273 Modern British Literature or 3 hrs
     LIT 3092 Continental European Fiction Since 1900 or 3 hrs
     LIT 3192 Caribbean Literature or 3 hrs
     LIT 4043 Modern Drama As Literature or 3 hrs
     LIT 4184 Irish Literature or 3 hrs
     LIT 4303 Post-World War II Fiction or 3 hrs
     AML 3843 Contemporary Native American Prose and Poetry or 3 hrs
     LIT 3823 Hispanic Women Writers 3 hrs

5. Restricted Electives (6 hrs)
   - Select 2: 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 or 3 hrs
     ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
     ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Optional course:
   ENC 4941 Internship 1 hr

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - None

Graduation
   - Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
    - Computer Competency met by completion of the following:
      ENC 4293 Documentation and the Collaborative Process 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major (9 hrs)
   - Application and admission through the English Honors Committee and the Honors College.
   - Fulfill University requirements for Honors in the Major.
   - Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
   - Successful completion and oral defense of Honors thesis.

Related Programs
   - English - Creative Writing
   - English - Literature

Certificates
   - None

Related Minors
   - English - Creative Writing
   - English - Literature
   - English - Linguistics
   - Writing and rhetoric
### Advising Notes

- None

### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

### Plan of Study

- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<tr>
<td>POS 2021</td>
<td>American National Government</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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### Freshman Year - Spring

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<td>Composition II</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
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<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
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### Sophomore Year - Fall

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<tr>
<td>LIT 2120</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4</td>
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<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
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### Sophomore Year - Spring

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<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional Process</td>
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<tr>
<td>AML 3013</td>
<td>Narratives of Slavery</td>
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<tr>
<td>SPN 2200</td>
<td>Intermediate Spanish Language and Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
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### Junior Year - Fall

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<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
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<tr>
<td>AML 3041</td>
<td>American Literature II</td>
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<tr>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
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### Junior Year - Spring

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
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<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
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<tr>
<td>LIT 3319</td>
<td>Science Fiction</td>
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### Senior Year - Fall

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4282</td>
<td>International Technical Communication</td>
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### Senior Year - Spring

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<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext</td>
<td>3</td>
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<tr>
<td>Restricted Elective</td>
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<td>3</td>
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<tr>
<td>Restricted Elective</td>
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</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes for undergraduate programs are located at: http://www.oenas.ucf.edu/academiclearningcompacts.html

### English Language Arts Education (B.S.)

- College of Education and Human Performance
- School of Teaching, Learning, and Leadership
- Education Building, Room: 209
- http://education.ucf.edu/englished/
- Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179
- Dr. Janet Andreasen, Janet.Andreasen@ucf.edu

The English Language Arts Education B.S. program offers the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.
- Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program course from section B1 to meet Gordon Rule Requirement
   - Required LIT 2110 World Literature I 3 hrs

   **Select 1:**
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs
## UCF Degree Programs

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

### E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

**Select 1:**
- 3 hrs
  - Prefer ANT 2511 The Human Species or 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs

### 2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 12 semester hours
- Lifelong Learning Track requires 15 semester hours

#### Education Track (12 hrs)
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

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

### 4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 63 semester hours
- Lifelong Learning Track requires 60 semester hours

#### Education Core Requirements (21 hrs)
- 1 EDF 4410 Teaching Strategies and Classroom Management 3 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
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

**Select:**
- 3 hrs
  - ENL 4333 Shakespeare Studies 3 hrs
  - LIT 3482 Literature & Popular Culture 3 hrs
  - LIT 3931 Topics in World Literature 3 hrs

### Lifelong Learning Track Specialization (39 hrs)

**Select:**
- 3 hrs
  - LAE 4043 Modern Drama As Literature 3 hrs
  - LAE 4360 English Instructional Analysis 3 hrs
  - LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
  - LIN 4105 History of the English Language 3 hrs
  - LIT 3482 Literature & Popular Culture 3 hrs

**Internship I Block (9 hrs)**
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL. Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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.

**Internship II (12 hrs)**
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II.

**Lifelong Learning Track Specialization (39 hrs)**

**Select preferred specialization courses with advisor approval.**
- A grade of “C-“(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

---

**Notes:**
1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
2. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
Education Track

11. Departmental Exit Requirements

10. Required Minors

9. Additional Requirements

8. Electives

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

5. Restricted Electives

4. Capstone Requirements

3. Total Semester Hours Required

2. Acceptable Substitutes for Transfer Courses

1. Related Programs

6. Plan of Study

Freshman Year - Fall 12 hrs

GEF B1 Elective 3 hrs

ENC 1101 Composition I 3 hrs

MGF 1106 Finite Mathematics 3 hrs

PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs

ENC 1102 Composition II 3 hrs

POS 2041 American National Government 3 hrs

PSC 1121 Physical Science 3 hrs

Select 1:

MUL 2010 Enjoyment of Music or 3 hrs

THE 2000 Theatre Survey or 3 hrs

PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Summer 6 hrs

LIT 2110 World Literature I 3 hrs

Education Track 3 hrs

EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 3 hrs

EDF 2130 Child and Adolescent Development for Educators or 3 hrs

EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Fall 15 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

LIT 2120 World Literature II 3 hrs

SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs

ANT 2511 The Human Species or 3 hrs

BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs

STA 2014C Principles of Statistics or 3 hrs

STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs

Sophomore Year - Spring 12 hrs

ENL 2012 English Literature I 3 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs

EME 2040 Introduction to Technology for Educators 3 hrs

Education Track 3 hrs

AML 3031 American Literature I 3 hrs

Lifelong Learning Track 3 hrs

MHS 2330 Career Planning 3 hrs

Sophomore Year - Summer 6 hrs

TSL 4080 Theory and Practice of Teaching ESL or 3 hrs

Students in Schools

ENL 2022 English Literature II 3 hrs
Junior Year - Fall 15 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
Education Track 6 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
Select 1:
- ENC 3311 Essay as Cultural Commentary or 3 hrs
- LIN 4105 History of the English Language 3 hrs
Lifelong Learning Track 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs
Junior Year - Spring 15 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Education Track 9 hrs
- AML 3041 American Literature II and 3 hrs
- LAE 4464 Survey of Adolescent Literature and 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs
Senior Year - Fall 12 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
Education Track 9 hrs
- LAE 4360 English Instructional Analysis and Internship and 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs
Senior Year - Spring 12 hrs
Education Track
- LAE 4941 Internship 12 hrs
Lifelong Learning Track
Choose Lifelong Learning Specialization courses 12 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeeas.ucf.edu/academiclearningcompacts.html
Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Environmental Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.
- Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

UNIVERSITY OF CENTRAL FLORIDA
2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

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

- A grade of “C” (2.0) or better is required in each course in this section.

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

Select one of the following sequences of courses:

- Preferred course
  1 CHM 2045C Chemistry Fundamentals I 4 hrs
  or 1 CHM 2040 Chemistry Fundamentals IA and 3 hrs
  1 CHM 2041 Chemistry Fundamentals IB 3 hrs

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

- EGS 1060C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- 1 CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 CHM 2046 Chemistry Fundamentals II 3 hrs
- 1 CHM 2048L Chemistry Fundamentals Laboratory 1 hr
- Earth Science 3 hrs
- Biological Science 3 hrs

1 A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

- 1 EGN 3310 Engineering Analysis-Statics 3 hrs
- 1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
- 1 EGN 3331 Mechanics of Materials 3 hrs
- 1 EGN 3343 Thermodynamics 3 hrs
- 1 EGN 3613 Engineering Economic Analysis 2 hrs
- 1 ENV 3911 Introduction to Environmental Engineering 3 hrs
- 1 ECE 4003 Introduction to the Construction Industry 3 hrs
- 1 STA 3023 Probability and Statistics for Engineers 3 hrs
- 1 CGN 4122C Air Pollution Control Design or 3 hrs
- 1 CHM 4013 Geotechnical Engineering I 4 hrs
- 1 EES 4211C Biological Process Control 3 hrs
- 1 EES 4202C Chemical Process Control 4 hrs
- 1 ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- 1 CWR 4632C Water Resources Engineering I 4 hrs
- 1 CWR 4633C Water Resources Engineering II 3 hrs
- 1 ENV 4120 Air Pollution Control 3 hrs
- 1 ENV 4651 Environmental Engineering Operations & Processes II 3 hrs
- 1 ENV 4341 Solid & Hazardous Waste Management 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)

- Technical electives are available in the 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
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs

- Must be completed before registering for CGN 4808C - Capstone Design
- Required Senior Design Courses
  - EnvE 4433C Environmental Engineering Wastewater Design or
  - 1 ENV 4122C Air Pollution Control Design or 3 hrs
  - 1 ENV 4300C Solid Waste Facility Design or 3 hrs
  - 1 ENV 4562C Environmental Engineering Water Treatment Design

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

- None

Graduation

- None

8. Electives

- None

9. Additional Requirements

- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

128

Honors in Major

- None

Related Programs

- Chemistry
- Construction Engineering
- Civil Engineering

Certificates

- None

Related Minors

- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
UCF Degree Programs

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 transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EES 1006C Introduction to the Engineering Profession 1 hr
1 BIO 1050 Biology and Environment 3 hrs
GEP 3 hrs

Sophomore Year - Spring
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
EGN 1907C Engineering Concepts and Methods 1 hr
1 GEO 1200 Physical Geography 3 hrs

Sophomore Year - Fall
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs

Sophomore Year - Summer
MAP 2302 Ordinary Differential Equations I 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2049C Physics for Engineers and Scientists II 4 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs

Junior Year - Fall
ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EES 4020C Chemical Process Control 4 hrs
ENV 4120 Air Pollution Control 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs

Junior Year - Spring
ENV 4341 Solid & Hazardous Waste Management 3 hrs
EES 4111C Biological Process Control 3 hrs
EGN 4561 Environmental Engineering Operations & Processes II 3 hrs
GEP 3 hrs

Design Specialization
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4562C Environmental Engineering Water or 3 hrs
- ENV 4433C Environmental Engineering Wastewater Design or 3 hrs
- ENV 4300C Solid Waste Facility Design or 3 hrs

Senior Year - Fall
CEG 4011C Geotechnical Engineering I 4 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CWR 4633C Water Resources Engineering II 3 hrs
GEP 3 hrs

Senior Year - Spring
Restricted Elective 3 hrs
GEP 6 hrs
CGN 4808C CECE Capstone 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

Event Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

Email: hospitality@mail.ucf.edu
Dr. Roberto Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

Select 1:
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics or 3 hrs

Select 1:
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology or 3 hrs
- Required ANT 2000 General Anthropology or 3 hrs

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

Complete any five restricted Event

### 5. Restricted Electives (15 hrs)

#### Management Electives

- HFT 2401: Hospitality Industry Financial Accounting (3 hrs)
- HFT 2500: Hospitality and Tourism Marketing (3 hrs)
- HFT 2220: Hospitality Human Resources Management (3 hrs)
- HFT 2254: Lodging Operations (3 hrs)
- HFT 3431: Hospitality Industry Managerial Accounting (3 hrs)
- HFT 3540: Guest Services Management I (3 hrs)
- HFT 4286: Hospitality Communications (3 hrs)
- HFT 4464: Hospitality Industry Finance (3 hrs)

#### Event Management Core

- FSS 2284C: Food Preparation for Catered Events (4 hrs)
- HFT 2750: The Event Industry (3 hrs)
- HFT 3670: Hospitality and Event Risk Management (3 hrs)
- HFT 3512: Event Promotion (3 hrs)
- HFT 3519: Event Services (3 hrs)
- HFT 3523: Event Sales (3 hrs)
- HFT 4757: Event Management (3 hrs)
- HFT 3443: Event Technology (3 hrs)
- HFT 4802: Catering Sales Management (3 hrs)

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

### 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
- 50 semester hours earned after CLEP awarded

### 3. Core Requirements: Basic Level

- MAC 1105C: College Algebra (GEP)

### Select 1:

- STA 2023: Statistical Methods I or GEP
- CGS 2100C: Computer Fundamentals for Business (GEP)

### Select 1:

- ECO 2013: Principles of Macroeconomics or GEP
- ECO 2023: Principles of Microeconomics (GEP)

### 4. Core Requirements: Advanced Level (55 hrs)

#### Hospitality Management Core

- 24 hrs

#### Event Management Core

- 28 hrs

#### FSS 2284C: Food Preparation for Catered Events (4 hrs)
- HFT 2750: The Event Industry (3 hrs)
- HFT 3670: Hospitality and Event Risk Management (3 hrs)
- HFT 3512: Event Promotion (3 hrs)
- HFT 3519: Event Services (3 hrs)
- HFT 3523: Event Sales (3 hrs)
- HFT 4757: Event Management (3 hrs)
- HFT 3443: Event Technology (3 hrs)
- HFT 4802: Catering Sales Management (3 hrs)

#### 5. Restricted Electives (15 hrs)

Complete any five restricted Event

### 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
- 50 semester hours earned after CLEP awarded
UCF Degree Programs

Junior Year - Fall
- HFT 3540  Guest Services Management I  3 hrs
- HFT 3431  Hospitality Industry Managerial Accounting  3 hrs
- HFT 3519  Event Services  3 hrs
- HFT 3670  Hospitality and Event Risk Management  3 hrs
- HFT 3512  Event Promotion  3 hrs
- HFT 3940  Internship I  1 hr

Junior Year - Spring
- HFT 4464  Hospitality Industry Finance  3 hrs
- HFT 3523  Event Sales  3 hrs
- HFT 3443  Event Technology  3 hrs
- HFT 4941  Internship II  1 hr
- Event Restricted Elective  3 hrs
- Free Elective  3 hrs

Senior Year - Fall
- HFT 4286  Hospitality Communications  3 hrs
- HFT 4944  Internship III  1 hr
- Event Restricted Electives  12 hrs

Senior Year - Spring
- HFT 4757  Event Management  3 hrs
- HFT 4802  Catering Sales Management  3 hrs
- Event Restricted Elective  3 hrs
- Free Electives  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Film (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
- See Transfer Notes for possible substitutions.
A: Communication Foundations  (9 hrs)
Computer Competency met by one of the

- CGS 1060C Introduction to Computers 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4434C Capstone I</td>
<td>3</td>
</tr>
<tr>
<td>FIL 4573C Capstone II</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates

- None

Related Minors

- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.

FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken.

Plan of Study

Freshman Year - Fall 12 hrs

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>ENC 1101 Composition I</td>
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<td>FIL 1007</td>
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<td>GEP</td>
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<td>GEP</td>
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Freshman Year - Spring 12 hrs

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<tr>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>FIL 2030</td>
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<td>GEP</td>
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Freshman Year - Summer 6 hrs

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<td>GEP</td>
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Sophomore Year - Fall 15 hrs

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<td>FIL 2107</td>
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<td>FIL 3427C</td>
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Sophomore Year - Spring 15 hrs

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Sophomore Year - Summer 8 hrs

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<tr>
<td>Foreign Language Elementary Level II</td>
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Junior Year - Fall 15 hrs

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<td>FIL 3534</td>
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<td>FIL 3803C</td>
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Junior Year - Spring 15 hrs

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<td>FIL 4647</td>
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<td>FIL 4661</td>
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Senior Year - Fall 12 hrs

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<th>Hours</th>
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<td>FIL 4434C</td>
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<tr>
<td>Upper Level FIL Elective</td>
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Senior Year - Spring 12 hrs

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<th>Course</th>
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<tbody>
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<td>FIL 4573C</td>
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<tr>
<td>Upper Level FIL 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

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
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students are required to maintain an overall average of “C” (2.0) or better in major courses.
■ Film production/directing classes are not open to Cinema Studies majors.
■ Cinema Studies Track is not an entrance into the BFA Film Program.
■ Internship credit can be used in this major.
■ Students must consult with a departmental advisor each semester.
■ Departmental Residency Requirement consists of at least 45 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (3 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (9 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

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

Math (3 hrs)

1 Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers (3 hrs)

Select a course from GEP C.2 list

3. Core Requirements: Basic Level (12 hrs)

FIL 1008 Cinema Directors (3 hrs)

4. Core Requirements: Advanced Level (36 hrs)

FIL 3006 Art of the Cinema (3 hrs)

Select 1: (3 hrs)

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

FIL 3850 Cinema Directors
FIL 3880C Images of Women in Film
FIL 3831 Black Cinema
FIL 3841 French New Wave Cinema
FIL 3041 History of Animated Films I
FIL 3824 Italian Neo-Realist Cinema
FIL 3842 International Cinema
FIL 3820 Italian Film
FIL 3822 French Film
FIL 3823 German Film
FIL 3871 The American Film Artist
FIL 4436 Film Theory/Film Production
FIL 4906 Directed Independent Study
DIG 4855 Converging Media Capstone
DIG 4704 Interactive Entertainment
FIL 3847 Latin American Cinema
FIL 5612 Film and Internet Business
FIL 3852 Cinema Criticism Writing

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement.
Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

■ A student must maintain an overall average of “C” (2.0) or better in major courses.
■ Computer competency met by one of the following:
   - CGS 1060C Introduction to Computers (3 hrs)
   - STA 1063C Basic Statistics Using Microsoft Excel (3 hrs)
   - FIL 1008 Cinematic Expression/Aesthetics (3 hrs)

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Art
■ Music
■ Theatre
■ Radio - Television
■ English - Creative Writing
■ Film
■ Film - World Cinema Track

Certificates

■ None
### 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
- EN 1101 Composition I 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- EN 1102 Composition II 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

#### Freshman Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- FIL 2107 Script Analysis 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Spring
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- FIL 3102 Writing for Film and TV 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Junior Year - Fall
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL XXXX - Elective 3 hrs
- Minor 3 hrs

#### Junior Year - Spring
- FIL 3037 Film History II 3 hrs
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4691 The Film Producer 3 hrs
- Minor 3 hrs

#### Senior Year - Fall
- FIL 3828 American Cinema 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL XXXX - Elective 3 hrs
- Minor 3 hrs
- Minor 3 hrs

#### Senior Year - Spring
- FIL 3951 Avant-Garde Cinema 3 hrs
- FIL XXXX - Elective 3 hrs
- Minor 3 hrs
- Minor 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.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

## Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

## Finance (B.S.B.A.)

### College of Business Administration

#### Department of Finance,

Business Administration I, Room: 409


Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking and real estate. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least "B" (3.0) in FIN 3403, at least a “B” (3.0) in ACG 3173 OR at least a "C" (2.0) in ACG 3131.

One course may be repeated one time in the next term of enrollment to meet these requirements.

- See Common Program Prerequisites

### Degree Requirements

- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
UCF Degree Programs

- Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 (or a “C” (2.0) or higher in ACG 3131). In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

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

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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Required MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or
Prefer ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
Suggested PSY 2012 General Psychology or
Suggested ANT 2000 General Anthropology or
Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (40 hrs)

Primary Core
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs
MIS 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs

Secondary Core
GEB 3003 Career Research & Planning 1 hr
GEB 3005 Career Search Strategy 1 hr
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 3303 Financial Markets 3 hrs
FIN 3504 Investment Analysis 3 hrs
FIN 4424 Advanced Topics in Financial Management 3 hrs

5. Restricted Electives (15 hrs)

Finance Electives (6 hrs)
Select 2: 6 hrs
FIN 3461 Financial Statement Analysis 3 hrs
FIN 4324 Commercial Bank Management 3 hrs
FIN 4453 Financial Models 3 hrs
FIN 4514 Portfolio Analysis and Management 3 hrs
FIN 4533 Financial Derivatives 3 hrs
FIN 4604 International Financial Management 3 hrs

Finance Restricted Electives (6 hrs)
- Select two below or an additional two courses from the Finance Electives above:
1. ACG 3141 Intermediate Financial Accounting II 3 hrs
2. ECO 4412 Econometrics 3 hrs
3. ECO 3011 Intermediate Microeconomics 3 hrs
4. ECO 3023 Intermediate Macroeconomics 3 hrs
5. FIN 4906 Directed Independent Study 3 hrs
6. FIN 4941 Finance Internship 3 hrs
7. FIN 4903H Honors Directed Reading I 3 hrs
8. FIN 4970H Undergraduate Honors Thesis 3 hrs
9. GEB 4374 International Negotiations and Transactions 3 hrs
10. MAR 3391 Professional Selling 3 hrs
11. REE 4203 Commercial Real Estate Finance 3 hrs
12. REE 4303 Real Estate Investment Analysis 3 hrs

1 Must be an accounting major or accounting minor to register for this course.
2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

Business Elective 3 hrs
- Any upper level business course.

6. Capstone Requirements (3 hrs)
- An approved Intent to Graduate must be on file in order to register for MAN 4720.
MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Finance Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements 6 hrs
Required Honors Reading Course 3 hrs
FIN 4933H Honors Directed Reading I 3 hrs
Required Honors Thesis | 3 hrs  
| FIN 4970H | Undergraduate Honors Thesis  

### Related Programs
- None

### Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

### Related Minors
- None

### Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- General electives as required to earn 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

#### Freshman Year - Fall
- 15 hrs  
| ENG 1101 | Composition I | 3 hrs  
| MAC 1105C | College Algebra | 3 hrs  
| ECO 2013 | Principles of Macroeconomics | 3 hrs  
| Cultural Foundation I | 3 hrs  
| Elective | 3 hrs  

#### Freshman Year - Spring
- 15 hrs  
| ENG 1102 | Composition II | 3 hrs  
| ECO 2023 | Principles of Microeconomics | 3 hrs  
| Social Foundation | 3 hrs  
| Elective | 3 hrs  
| Elective | 3 hrs  

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

#### Sophomore Year - Spring
- 15 hrs  
| ACG 2071 | Principles of Managerial Accounting | 3 hrs  
| ECO 3401 | Quantitative Business Tools I | 3 hrs  
| CGB 2100C | Computer Fundamentals for Business | 3 hrs  
| Historical Foundation II | 3 hrs  
| Science | 3 hrs  

#### Junior Year - Fall
- 16 hrs  
| ACG 3173 | Accounting for Decision-Makers | 3 hrs  
| ECO 3411 | Quantitative Business Tools II | 3 hrs  
| MAN 3025 | Management of Organizations | 3 hrs  
| MAR 3023 | Marketing | 3 hrs  
| FIN 3403 | Business Finance | 3 hrs  
| GEB 3003 | Career Research & Planning | 1 hr  

#### Junior Year - Spring
- 15 hrs  
| GEB 3375 | Introduction to International Business | 3 hrs  
| FIN 3414 | Intermediate Corporate Finance | 3 hrs  
| FIN 3303 | Financial Markets | 3 hrs  
| GEB 3005 | Career Search Strategy | 1 hr  
| Business Elective | 3 hrs  
| Elective | 2 hrs  

#### Senior Year - Fall
- 16 hrs  
| BUL 3130 | Legal and Ethical Environment of Business | 3 hrs  
| MAR 3203 | Supply Chain and Operations Management | 3 hrs  
| FIN 3504 | Investment Analysis | 3 hrs  
| FIN Restricted Elective | 3 hrs  
| FIN Elective | 3 hrs  
| GEB 4223 | Business Interviewing Techniques | 1 hr  

#### Senior Year - Spring
- 14 hrs  
| FIN 4424 | Advanced Topics in Financial Management | 3 hrs  
| MAN 4720 | Strategic Management | 3 hrs  
| Elective | 3 hrs  
| FIN Restricted Elective | 3 hrs  
| GEB 4004 | Executing Your Career Plan | 1 hr  

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oceas.ucf.edu/academiclearningcompacts.html](http://www.oceas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Forensic Science - Analysis Track (B.S.)

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 306A**

[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)

**Email:** chemstaff@ucf.edu  
Dr. G. Mattson, gerald.mattson@ucf.edu

**Phone:** 407-823-1522

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
UCF Degree Programs

1. UCF General Education Program (GEP) (39 hrs)
   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36
   - A: Communication Foundations (9 hrs)
     - Refer SPC 1603C Fundamentals of Technical Presentations
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs

   - B: Cultural & Historical Foundations (9 hrs)
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - C: Mathematical Foundations (7 hrs)
     - Required MAC 2311C Calculus with Analytic Geometry I
     - Required STA 2023 Statistical Methods I 3 hrs

   - D: Social Foundations (6 hrs)
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - 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)
   - Refer SPC 1603C Fundamentals of Technical Presentations
   - Select one of the following sequences of courses:
     - CHM 2045C Chemistry Fundamentals I 4 hrs
     - or
     - CHM 2046 Chemistry Fundamentals IA and IB 3 hrs

   - Take all of the following:
     - CHM 2046 Chemistry Fundamentals II 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
     - MAC 2311C Calculus with Analytic Geometry I GEP
     - MAC 2312 Calculus with Analytic Geometry II 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I GEP
     - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (18 hrs)
   - Select from the following:
     - Required, satisfies the CPP
     - CHM 2045C Chemistry Fundamentals I CPP
     - or
     - CHM 2046 Chemistry Fundamentals IA and IB CPP

   - Take all of the following:
     - CHM 2046 Chemistry Fundamentals II CPP
     - CHM 2046L Chemistry Fundamentals Laboratory and CPP
     - MAC 2311C Calculus with Analytic Geometry I GEP
     - MAC 2312 Calculus with Analytic Geometry II and CPP
     - PHY 2048C Physics for Engineers & Scientists I and CPP
     - PHY 2049C Physics for Engineers and Scientists II CPP

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 3585 Forensic Science in the Courtroom 3 hrs
     - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
     - CHS 4591 Forensic Science Internship 4 hrs

     - B: Forensic Analysis Track: (16 hrs)
     - CHM 3422 Applied Physical Chemistry 3 hrs
     - CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
     - CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
     - CHS 3511C Trace Evidence 4 hrs
     - CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
   - Select from the following:
     - CHM 4912 Directed Independent Research 3 hrs
     - CHM 4911 Directed Independent Research 3 hrs
     - BCH 4053 Biochemistry I 3 hrs
     - CHM 3215L Organic Laboratory Techniques II 2 hrs
     - CHM 4912 Directed Independent Research 3 hrs
     - CHS 4506C Forensic Investigation Technology 3 hrs
     - CHS 4515C Forensic Crime Scene Investigation 4 hrs
     - PCB 3063L Genetics Laboratory 1 hr
     - PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.
    - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   - 124

Honors In Major
   - None

Related Programs
   - Chemistry
   - Forensic Science - Biochemistry Track

Certificates
   - Behavioral Forensics
   - Crime Scene Investigation

Related Minors
   - Chemistry

Advising Notes
   - None
### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for Transfer Courses
  - CHM 2045C may use CHM X040 plus CHM X041.
  - Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
  - Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/placement
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

### Freshman Year - Fall

- CHM 2040 Chemistry Fundamentals I
- CHS 3501 Introduction to Forensic Science
- MAC 1140C Pre-Calculus Algebra
- ENC 1101 Composition I

### Freshman Year - Spring

- CHM 2041 Chemistry Fundamentals II
- BSC 2010C Biology I
- MAC 2311C Calculus with Analytic Geometry I
- ENC 1102 Composition II

### Freshman Year - Summer

- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals I Laboratory
  - Lab may be taken in a later term if seats are not available.

### Sophomore Year - Fall

- CHM 2210 Organic Chemistry I
- PHY 2048C Physics for Engineers & Scientists I
- STA 2023 Statistical Methods I
- MAC 2312 Calculus with Analytic Geometry II

### Sophomore Year - Spring

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Laboratory Techniques I
  - Lab may be taken in a later term if seats are not available.
- PHY 2049C Physics for Engineers and Scientists II
- Restricted Elective
- GEP

### Junior Year - Fall

- CHS 3505C Forensic Microscopy
- CHM 3120 Analytical Chemistry
- CHM 3120L Analytical Chemistry Laboratory
- PCB 3233 Immunology
- Restricted Elective
- GEP

### Junior Year - Spring

- CHS 3511C Trace Evidence
- CHS 4537 Forensic Laboratory Quality Assurance
- CHS 3595 Forensic Science in the Courtroom
- PCB 3063 Genetics

### UCF Degree Programs

#### Forensic Science - Biochemistry Track (B.S.)

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 306A**

http://chemistry.cos.ucf.edu/

**Email:** chemstaff@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu

Phone: 407-823-1522

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

##### A: Communication Foundations (9 hrs)

- Prefer SPC 1603C Fundamentals of Technical Presentations
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II

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

- Required MAC 2311C Calculus with Analytic Geometry I
- Required STA 2023 Statistical Methods I

##### C: Mathematical Foundations (7 hrs)

- Required MAC 2312 Calculus with Analytic Geometry II
- Required STC 1023 Introduction to Forensic Science

##### D: Social Foundations (6 hrs)

- Required SPH 1023 Introduction to Social Science
- Required GEP 1023 Introduction to GEP

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html
E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I  4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I  4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I  GEP

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I  4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 
CHM 2041 Chemistry Fundamentals IB  3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  1 hr
MAC 2311C Calculus with Analytic Geometry I  GEP
MAC 2312 Calculus with Analytic Geometry II  4 hrs
PHY 2048C Physics for Engineers & Scientists I  GEP
PHY 2049C Physics for Engineers and Scientists II  4 hrs

3. Core Requirements: Basic Level (20 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I  GEP/CPP

- or

CHM 2040 Chemistry Fundamentals IA and 
CHM 2041 Chemistry Fundamentals IB  3 hrs

- and

CHM 2046 Chemistry Fundamentals II and 
CHM 2046L Chemistry Fundamentals Laboratory and 
BSC 2010C Biology I and 
MAC 2311C Calculus with Analytic Geometry I and 
MAC 2312 Calculus with Analytic Geometry II and 
PHY 2048C Physics for Engineers & Scientists I and 
PHY 2049C Physics for Engineers and Scientists II and 

Basic Core: Additional Requirements 20 hrs
CHM 2210 Organic Chemistry I and 
CHM 2211 Organic Chemistry II and 
CHM 2211L Organic Laboratory Techniques I and 
CHM 3120 Analytical Chemistry and 
CHM 3120L Analytical Chemistry Laboratory and 
STA 2023 Statistical Methods I and 
PCB 3063 Genetics and 
PCB 3063L Genetics Laboratory and 
PCB 3233 Immunology and 
PCB 3233L Immunology Laboratory I  1 hr

4. Core Requirements: Advanced Level (45 hrs)

A. Forensic Science Core 18 hrs
CHS 3501 Introduction to Forensic Science  3 hrs
CHS 3505C Forensic Microscopy  4 hrs
CHS 3533 Forensic Biochemistry I  2 hrs
CHS 3595 Forensic Science in the Courtroom  3 hrs
CHS 4537 Forensic Laboratory Quality Assurance  2 hrs
CHS 4591 Forensic Science Internship  4 hrs

B. Forensic Biochemistry Track: 27 hrs
BCH 4053 Biochemistry I  3 hrs
BCH 4054 Biochemistry II  3 hrs
BCH 4103L Biochemical Methods  2 hrs
BSC 3403C Quantitative Biological Methods  4 hrs
CHS 4534C Forensic Biochemistry II  3 hrs
CHS 3533L Forensic Biochemistry I Laboratory  1 hr
MCB 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.

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

- Electives
  - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 124

Honors In Major
- None

Related Programs
- Chemistry
- Forensic Science - Analysis Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/
French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in French courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math 6 hrs
     - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   - Statistics - Computers 3 hrs
     - Select a course from GEP C.2 list
   - 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

3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (21 hrs)
FRW 3100 Survey of French Literature I 3 hrs
1 FRE 3300 French Grammar 3 hrs
1 FRE 3420 French Composition 3 hrs
1 FRE 3760 Advanced French Oral Communication 3 hrs
1 FRE 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
1 FRE 4421 Advanced French Conversation or 3 hrs
FRE 4422 Advanced French Composition 3 hrs

Select 1: 3 hrs
FRW 3101 Survey of French Literature II or 3 hrs
FRW 3770 Francophone Literature 3 hrs

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives (15 hrs)
FRW course beyond the survey level (taught in French) 6 hrs
Select any upper level FRE, FRT, or FRW courses not already used in the major.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirements.
Graduation
- Met by Common Program Prerequisites
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
9. Additional Requirements
- None
10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses.
- Students are required to satisfactorily complete a departmental exit exam, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student’s French advisor and by the French Program Director.
- Students must submit their portfolio (FRE 4950) to their French Faculty Advisor
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Spanish

Certificates
- None

Related Electives (15 hrs)
FRW course beyond the survey level (taught in French) 6 hrs
Select any upper level FRE, FRT, or FRW courses not already used in the major.

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
WOH 212 World Civilization I 3 hrs
MGF 1107 Explorations in Mathematics 3 hrs
FRE 1120C Elementary French Language and Civilization I 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
WOH 2022 World Civilization II 3 hrs
CGS 1060C Introduction to Computers 3 hrs
FRE 1121C Elementary French Language and Civilization II 4 hrs

Freshman Year - Summer 8 hrs
FRE 2270 Intermediate French Study Abroad 8 hrs

Sophomore Year - Fall 12 hrs
FRE 2200 Intermediate French Language and Civilization I 3 hrs
Social Foundation (Group 1) 3 hrs
Science Foundation (Group 2) 3 hrs
Select 1: 3 hrs
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 12 hrs
LIT 2120 World Literature II 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
Social Foundation (Group 2) 3 hrs
Science Foundation (Group 2) 3 hrs

Sophomore Year - Summer 6 hrs
Study Abroad 6 hrs

Junior Year - Fall 12 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 3300 French Grammar 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
Select 1: 3 hrs
FRW 3101 Survey of French Literature II or 3 hrs
FRW 3770 Francophone Literature 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
FRE 3420 French Composition 3 hrs
FRE 3440 Business French I 3 hrs
Select 1: 3 hrs
FRW 4552 Nineteenth Century French Literature or 3 hrs
FRW 3370 Short Stories of 18th, 19th and 20th Centuries 3 hrs
Restricted Elective 3 hrs
Health Informatics and Information Management (B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, alice.noblin@ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Select 1: 3 hrs
     Required CS 1060C Introduction to Computers or
t     Required CS 2100C Computer Fundamentals for
     Business

2. Common Program Prerequisites (CPP) (17 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - None

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

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

Graduation
- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for graduation.
    - Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Admission Requirements

None

Degree Requirements

Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.

The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Transfer Notes

- Florida College System Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2014C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses

None

### Plan of Study

#### Freshman Year - Fall

<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>CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 2000 Introduction to the Allied Health Professions</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 HSA 4191 Fundamentals of Health Information</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HIM 3006 Foundations of Health Information Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSC 3537 Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 2524 Introduction to Human Disease</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MAN 3025 Management of Organizations or HSA 4180 Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 The asterisked courses may be taken at any time during the two years. Certain HSA courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.
A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.

Students must achieve at least 2.5 overall GPA for graduation.

No transfer course will be accepted with a grade lower than a "C."

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 Required MAC 1105C College Algebra 3 hrs
    Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs
    Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114C College Trigonometry 3 hrs
    BSC 2010C Biology I GEP
    PSY 2012 General Psychology GEP
    STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level (20 hrs)

1 Required CHM 2045C Chemistry Fundamentals I 4 hrs
    CHM 2046 Chemistry Fundamentals II 3 hrs
    CHM 2046L Chemistry Fundamentals Laboratory 1 hr
    DEP 2004C Developmental Psychology 3 hrs
    HUN 2201 Fundamentals of Human Nutrition 3 hrs
    PHY 2053C College Physics I GEP
    PHY 2054C College Physics II 4 hrs

Select 1: 2 hrs

2 Required HSC 2000 Introduction to the Allied Health Professions or HSC 4008 Professional Development in Health Professions 3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

2 For freshman and sophomore students. The upper level HSC 4008 (3 hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs
    HSC 3211 Preventive Health Care 3 hrs
    HSC 4555 Pathophysiology I 3 hrs
    HSC 4652 Health Law and Ethics 3 hrs
    HSC 4558 Pathophysiology II 3 hrs
    HSC 4501 Epidemiology of Chronic Diseases 3 hrs
    PCB 3703C Human Physiology 4 hrs
    ZOO 3733C Human Anatomy 4 hrs

Select 1 3 hrs

HSC 4730 Applied Health Research Methodology 3 hrs
    HSA 4702 Health Sciences Research Methods 3 hrs

5. Restricted Electives (30 hrs)

Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.

Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.

Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions Graduate Programs.

BCH 4053 Biochemistry I 3 hrs
    CHM 2210 Organic Chemistry I 3 hrs
    BSC 2011C Biology II 4 hrs
    CHM 2211 Organic Chemistry II 3 hrs
    CHM 2211L Organic Laboratory Techniques I 2 hrs
    HSA 3111 U.S. Health Care Systems 3 hrs
    HSC 3110 Medical Self Assessment 3 hrs
    HSC 3537 Medical Terminology 3 hrs
    HSC 3559 Disabilities in American Society 3 hrs
    HSC 3593 HIV Disease: A Human Concern 3 hrs
    HSC 3432 Occupational Safety for the Health Care 3 hrs
    Professional
    HSC 4008 Professional Development in Health Professions 3 hrs
    HSC 4564 Health Care Needs of the Elderly 3 hrs
    HSC 4572 Clinical Nutrition 3 hrs
    HSC 4730 Applied Health Research Methodology 5 hrs
    MCB 3000C General Microbiology 3 hrs
    MCB 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
    ATR 3203C Upper Extremity Function and Measurement 3 hrs
    ATR 3204C Lower Extremity Function and Measurement 3 hrs
    ATR 3312C Injury, Management, and Rehabilitation 3 hrs
    PET 4606 Applied Fitness in Sport 3 hrs
    SYO 4400 Medical Sociology 3 hrs
    ZOO 3744 Neurobiology 3 hrs
    ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
    ZOO 4753C Vertebrate Histology 4 hrs
    HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

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

Graduation

None

8. Electives

Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Students must achieve at least 2.5 overall GPA for graduation.

A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

12. University Minimum Exit Requirements

A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor

Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

Certificates
- None

Related Minors
- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

**Freshman Year - Fall**
- BSC 2010C Biology I 4 hrs
- MAC 1105C College Algebra 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- GEP Communication 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Cultural 3 hrs

**Sophomore Year - Fall**
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C Developmental Psychology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- GEP Historical 3 hrs

**Sophomore Year - Spring**
- PCB 3703C Human Physiology 4 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- MAC 1114C College Trigonometry 3 hrs
- GEP Historical 3 hrs

**Junior Year - Fall**
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4552 Health Law and Ethics 3 hrs
- GEP Social 3 hrs

**Junior Year - Spring**
- PHY 2054C College Physics II 4 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs

**Select 1**
- HSC 4730 Applied Health Research Methodology or 3 hrs
- HSA 4702 Health Sciences Research Methods 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 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html
Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu
Philip Wessel, MHA, Undergraduate Program Director
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://online.ucf.edu/learn-online/. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. Students must complete all minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in Health Services Administration as those programs require a GPA of at least 3.0 for admission.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
- Students must achieve at least 2.5 overall GPA for graduation.
- Satisfactory completion of HSA 4850 Internship

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - Required
     - CGS 1060C Introduction to Computers or
   - Select 1: Computer Fundamentals for Business 3 hrs
   - Required
     - CGS 2100C
   - C: Mathematical Foundations (6 hrs)
   - Required
     - CGS 1060C

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

E: Science Foundations (6 hrs)
- Required
  - STA 2023 Statistics I 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.

   ECO 2023 Principles of Microeconomics GEP
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ACG 2021 Principles of Financial Accounting 3 hrs
   STA 2023 Statistical Methods I 3 hrs

Select 1:
   - CGS 2100C Computer Fundamentals for Business or
   - CGS 1060C Introduction to Computers GEP

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (48 hrs)
- Students must earn a “C” (2.0) or better in each Core Requirement

   HSA 3104 Health Services Administration Cornerstone 3 hrs
   HSA 3111 U.S. Health Care Systems 3 hrs
   HSA 3170 Health Care Finance 3 hrs
   HSA 3222 Long Term Care and Administration 3 hrs
   HSA 3430 Health Care Economics 3 hrs
   HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
   HSC 4201 Community Health 3 hrs
   HSA 4180 Organization & Management for Health Agencies I 3 hrs
   HIM 4508C Quality Management 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 4500 Epidemiology 3 hrs
   HSC 4652 Health Law and Ethics 3 hrs
   HSA 4194 Organization & Management for Health Agencies II 3 hrs
   HSA 4191 Fundamentals of Health Information Technology 3 hrs
   HSA 4850 Health Services Administration Internship 3 hrs
   1 HSA 4853 Internship Orientation 0 hrs

1 Course must be completed no more than one semester prior to HSA 4850.

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
   - HSA 4859 Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements
- Admissions
  - Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Electives
  - Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
- As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. In order to participate in the HSA Internship the student must: 1) Have earned at least 90 Credit Hours prior to the start of the semester in which the internship begins; 2) Have earned at least 24 HSA Credit Hours prior to the start of the semester in which the internship begins; 3) Have a Major GPA of 2.75 prior the start of the semester in which the internship begins. Additionally, many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss
UCF Degree Programs

the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Students must earn a “C” (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ Interested students should consult with a faculty advisor.

Related Programs
   ■ Public Administration
   ■ Health Informatics and Information Management

Certificates
   ■ Aging Studies

Related Minors
   ■ Aging Studies
   ■ Health Informatics and Information Management
   ■ Health Sciences
   ■ Public Administration

Advising Notes
   ■ Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
   ■ A variety of internship opportunities is available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
   ■ Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
   ■ None

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study

Freshman Year - Fall
   ENC 1101 Composition I 
   3 hrs
   HSC 2000 Introduction to the Allied Health Professions
   2 hrs
   MAC 1105C College Algebra
   3 hrs
   Free Elective
   3 hrs
   GEP Social
   3 hrs
   1 Suggested Introductory Elective

Freshman Year - Spring
   ENC 1102 Composition II
   3 hrs
   GEP Communication
   3 hrs
   GEP Science
   3 hrs
   GEP Cultural
   3 hrs

Sophomore Year - Fall
   ECO 2023 Principles of Microeconomics
   3 hrs
   GEP Science
   3 hrs
   CGB 2100C Computer Fundamentals for Business
   3 hrs
   ACG 2221 Principles of Financial Accounting
   3 hrs
   GEP Historical
   3 hrs

Sophomore Year - Spring
   ACG 2071 Principles of Managerial Accounting
   3 hrs
   STA 2023 Statistical Methods I
   3 hrs
   Free Elective
   3 hrs
   GEP Historical
   3 hrs

Sophomore Year - Summer
   Select 1:
   Free Elective
   3 hrs
   1 Foreign Language
   4 hrs

Select 1:
   Free Elective
   3 hrs
   1 Foreign Language
   4 hrs

 1 If not satisfied in high school

Junior Year - Fall
   HSA 3104 Health Services Administration Cornerstone
   3 hrs
   HSA 3111 U.S. Health Care Systems
   3 hrs
   HSC 3537 Medical Terminology
   3 hrs
   HSC 4201 Community Health
   3 hrs
   HSA 3222 Long Term Care and Administration
   3 hrs

 1 Must be taken in First Semester in the Major

Junior Year - Spring
   HSA 3170 Health Care Finance
   3 hrs
   HSC 4500 Epidemiology
   3 hrs
   HSA 4180 Organization & Management for Health Agencies I
   3 hrs
   HSA 4191 Fundamentals of Health Information Technology
   3 hrs
   Elective / Minor
   3 hrs

Senior Year - Fall
   HSA 4184 Organization & Management for Health Agencies II
   3 hrs
   HIM 4508C Quality Management
   3 hrs
   HSA 4702 Health Sciences Research Methods
   3 hrs
   Free Elective
   3 hrs
   HSA 4853 Internship Orientation
   0 hrs

Senior Year - Spring
   HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans
   3 hrs
   HSC 4652 Health Law and Ethics
   3 hrs
   HSA 4939 Health Services Administration Capstone
   3 hrs
   HSA 4950 Health Services Administration Internship
   3 hrs

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/academiclearningcompacts.html

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Dr. John Sacher, Chair
Phone: 407-823-2225

Admission Requirements
   ■ None

Degree Requirements
   ■ Students who change degree programs and select this major must adopt the most current catalog.
   ■ Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
   ■ Co-op credit cannot be used in this major.
   ■ Students should consult with a departmental advisor.
   ■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
   ■ Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
   ■ Students must complete 36 hours in history.
   ■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required AMH 2010  U.S. History: 1492-1877 3 hrs</td>
</tr>
<tr>
<td>Select one course from B.1 list 3 hrs</td>
</tr>
<tr>
<td>Select one course from B.2 list 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math:</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or 3 hrs</td>
</tr>
</tbody>
</table>

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required AMH 2020  U.S. History: 1877-Present 3 hrs</td>
</tr>
<tr>
<td>Select one course from D.2 list 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
</table>

### 2. Core Requirements: Basic Level (6 hrs)

- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- WOH 2012 World Civilization I 3 hrs
- WOH 2022 World Civilization II 3 hrs

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level (3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 4150 History and Historians 3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (21 hrs)

- (Must be taken within the History Department)
- Select six hours of approved history courses 18 hrs within three of four geographic regions
  - Asian, African, and Middle Eastern or 6 hrs
  - British and European or 6 hrs
  - Latin American or 6 hrs
  - U.S. and Canadian 6 hrs
- Select three hours of approved history courses

### 6. Capstone Requirements

| HIS 4959 History Portfolio 0 hrs |

### 7. Foreign Language Requirements Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- 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 (HIS 4959) during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Humanities
- Certificates
- None

**Related Minors**

- African - American Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women's Studies

**Advising Notes**

- None

**Transfer Notes**

- Grades below “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

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.
### UCF Degree Programs

#### Sophomore Year - Spring (16 hrs)
- **SPN 1121C** Elementary Spanish Language and Civilization II (4 hrs)
- **Core Course** 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Junior Year - Fall (15 hrs)**
  - HIS 4150 History and Historians (3 hrs)
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
- **Junior Year - Spring (15 hrs)**
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
- **Senior Year - Fall (15 hrs)**
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
- **Senior Year - Spring (13 hrs)**
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 4 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### Hospitality Management (B.S.)
**Rosen College of Hospitality Management**
**Department of Hospitality Services,**
9907 Universal Boulevard, Orlando, FL 32819
[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)
**Email:** hospitality@mail.ucf.edu
Dr. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu, 407-903-8177
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

### Admission Requirements
- **None**

### Degree Requirements
- **Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.**
- **Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.**

#### 1. UCF General Education Program (GEP) (36 hrs)
- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)
  - Required **MAC 1105C** College Algebra (3 hrs)

#### Select 1: 3 hrs
- Required **CGS 2100C** Computer Fundamentals for Business or (3 hrs)
- Required **STA 2023** Statistical Methods I (3 hrs)

#### D: Social Foundations (6 hrs)
- **Select 1:** 3 hrs
  - Required **ECO 2013** Principles of Macroeconomics (3 hrs)
  - Required **ECO 2023** Principles of Microeconomics (3 hrs)

#### E: Science Foundations (6 hrs)
- **Select:** 3 hrs
  - Required **PSY 2012** General Psychology (3 hrs)
  - Required **SYG 2000** Introduction to Sociology (3 hrs)
  - Required **ANT 2000** General Anthropology (3 hrs)

####Sophomore Year - Spring (16 hrs)
- **Select 1:** 3 hrs
  - Required **ECO 2013** Principles of Macroeconomics or (3 hrs)

#### Sophomore Year - Fall (15 hrs)
- **Select 1:** 3 hrs
  - Required **ECO 2023** Principles of Microeconomics (3 hrs)

#### Junior Year - Fall (15 hrs)
- **Select 1:** 3 hrs
  - Required **HFT 2254** Lodging Operations (3 hrs)

#### Junior Year - Spring (15 hrs)
- **Select 5:** 15 hrs
  - **Internships** 3 hrs
    - **HFT 3940** Internship I (1 hr)
    - **HFT 4941** Internship II (1 hr)
    - **HFT 4944** Internship III (1 hr)

#### Senior Year - Fall (15 hrs)
- **Select 5:** 15 hrs
  - **Internships** 3 hrs
    - **HFT 3940** Internship I (1 hr)
    - **HFT 4941** Internship II (1 hr)
    - **HFT 4944** Internship III (1 hr)

#### Senior Year - Spring (13 hrs)
- **Select 5:** 15 hrs
  - **Internships** 3 hrs
    - **HFT 3940** Internship I (1 hr)
    - **HFT 4941** Internship II (1 hr)
    - **HFT 4944** Internship III (1 hr)

#### 5. Restricted Electives (15 hrs)
- **Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.**

### Restricted Electives (15 hrs)
- **Students must take 15 credit hours (five courses) from the following:**
  - **FSS 3008** Culture and Cuisine (3 hrs)
  - **FSS 4286C** Catering and Banquet Organization (3 hrs)
  - **HFT 3353** Golf Planning & Operations I (3 hrs)
  - **HFT 3354** Agronomy for Golf Course Management (3 hrs)
  - **HFT 3355** Golf Planning & Operations II (3 hrs)
  - **HFT 3357** Golf & Club Event Operations (3 hrs)
  - **HFT 3384** Golf and Club Enterprises Management (3 hrs)
  - **HFT 3654** Hospitality Franchising (3 hrs)
  - **HFT 3741** Meeting Management (3 hrs)
  - **HFT 3770** Cruise Line Operations and Management (3 hrs)
  - **HFT 3798** Fairs and Festivals (3 hrs)
  - **HFT 3868** History and Culture of Wine (3 hrs)
  - **HFT 4065** Fine Spirits Management (3 hrs)
### 11. Departmental Exit Requirements
- **10. Required Minors**
  - Required Minor: Hospitality Management core of thirty (30) credit hours
- **9. Additional Requirements**
- **8. Electives**

### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

### Total Semester Hours Required
- **120**

### Honors In Major
- **None**

### Related Programs
- **None**

### Certificates
- **None**

### Related Minors
- **None**

### Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

### Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study
- **None**

### Specialized Tracks

#### Theme Park and Attraction Industry Track
- **15 hrs**
  - HFT 4751: Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
  - HFT 4561: Destination Marketing 3 hrs
  - HFT 4614: Risk Management in Theme Parks and Attractions 3 hrs
  - HFT 4754: Exhibit and Trade Show Operations 3 hrs

#### Golf and Club Management Track
- **15 hrs**
  - HFT 4253: Advanced Lodging Operations 3 hrs
  - HFT 4358: Golf & Club Facility Design 3 hrs
  - HFT 4649: Agronomy for Golf Course Management 3 hrs
  - HFT 4762: Current Practices in the Airline Industry 3 hrs

### 6. Capstone Requirements
- **None**

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement: two years in high school or one year 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**

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### UCF Degree Programs

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### UNIVERSITY OF CENTRAL FLORIDA

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### Freshman Year - Fall
- **15 hrs**
  - ENC 1101: Composition I 3 hrs
  - HFT 1000: The Event Industry or 3 hrs
  - MAC 1105C: College Algebra 3 hrs
  - MAC 1106C: Introduction to Computers or 3 hrs

### Select 1:
- **3 hrs**
  - PSY 2012: General Psychology or 3 hrs
  - SYG 2000: Introduction to Sociology or 3 hrs
  - ANT 2000: General Anthropology or 3 hrs

### Freshman Year - Spring
- **15 hrs**
  - ENC 1102: Composition II 3 hrs
  - SPC 1608: Fundamentals of Oral Communication 3 hrs
  - MAC 1105C: College Algebra 3 hrs
  - MAC 1106C: Introduction to Computers or 3 hrs

### Select 1:
- **3 hrs**
  - STA 2023: Statistical Methods I 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - HFT 2750: The Event Industry or 3 hrs
  - HFT 2254: Lodging Operations 3 hrs

### Select 1:
- **3 hrs**
  - ECO 2013: Principles of Macroeconomics or 3 hrs
  - ECO 2023: Principles of Microeconomics or 3 hrs
UCF Degree Programs

Sophomore Year - Spring 16 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
Science Foundations II 3 hrs
CultHist. Foundations III 3 hrs
Free Elective 3 hrs
FSS 2221C Techniques of Food Preparation 4 hrs

Junior Year - Fall 16 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3940 Internship I 1 hr
Sectorial Studies 6 hrs

Senior Year - Fall 16 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4944 Internship III 1 hr
Hospitality Restricted Electives 6 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Hospitality Restricted Electives 6 hrs
Free Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Human Communication (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Program Common Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1: 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or
   Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required STA 1063C Basic Statistics Using Microsoft Excel or
   Required STA 2014C Principles of Statistics 3 hrs

   C: Mathematical Foundations (6 hrs)
   Suggested MGF 1106 Finite Mathematics or
   Suggested MGF 1107 Explorations in Mathematics 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
   Speech
   SPC 1608 Fundamentals of Oral Communication or
   SPC 1603C Fundamentals of Technical Presentations

   Statistics:
   STA 1063C Basic Statistics Using Microsoft Excel or
   STA 2014C Principles of Statistics

   Computer Science:
   CGS 1060C Introduction to Computers or
   CGS 2100C Computer Fundamentals for Business or
   CGS 3255C Desktop/Internet Publishing or
   CGS 3175 Internet Applications

4. Core Requirements: Advanced Level (12 hrs)
   Select 1:
   COM 3011C Communication and Human Relations or
   COM 3003 Exploring Human Communication 3 hrs

   Take all of the following: 9 hrs
   COM 3120 Organizational Communication and
   COM 3311 Communication Research Methods and
   SPC 3301 Interpersonal Communication 3 hrs

5. Restricted Electives (27 hrs)
   Internal Restricted Electives: 21 hrs
   Select from the following list:
   COM 3013 Communication and the Family 3 hrs
   COM 3022 Health Communication 3 hrs
   COM 3110 Business and Professional Communication 3 hrs
   COM 3332 Communication, Technology, and Change 3 hrs
   COM 3406 Role of Motivation in Communication 3 hrs
   COM 4014 Gender Issues in Communication 3 hrs
   COM 4416 Terrorism and Communication 3 hrs
   COM 4461 Inter-cultural Communication 3 hrs
   COM 4462 Conflict Management 3 hrs
   SPC 3445 Leadership Through Oral Communication 3 hrs
   SPC 3513C Argumentation and Debate 3 hrs
   SPC 4331 Nonverbal Communication 3 hrs
   SPC 4426 Group Dynamics 3 hrs
   SPC 4540 Persuasion and Communication 3 hrs

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**A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4941</td>
<td>Internship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4906</td>
<td>Directed Independent Study or Coop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC X949</td>
<td>Coop or</td>
<td></td>
</tr>
<tr>
<td>COM X949</td>
<td>Coop</td>
<td></td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3315</td>
<td>Argumentative Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Essay as Cultural Commentary or Coop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3314</td>
<td>Writing in the University or Coop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional or Coop</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Other upper division COM or SPC courses with prior approval of department advisor.</td>
<td></td>
</tr>
</tbody>
</table>

**External Restricted Electives:**

- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

**8. Electives**

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- Human Communication
- Mass Communication

**Advising Notes**

- None

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**Transfer Notes**

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

- Before registering for Math, take Math Placement Test at http://utc.sdes.ucf.edu/math/

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>4 hrs</td>
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</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core-Computer Science</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
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</table>

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM 5011C</td>
<td>Communication and Human Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3003</td>
<td>Exploring Human Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
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</table>

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective (Consider a minor)</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective (Consider a minor)</td>
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<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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**Junior Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective-Internship</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective (Consider a minor)</td>
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<td>3 hrs</td>
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<tr>
<td>Elective (Consider a minor)</td>
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<td>3 hrs</td>
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**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td></td>
<td>3 hrs</td>
</tr>
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**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td></td>
<td>4 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/academiclearningcompacts.html
UCF Degree Programs

Humanities and Cultural Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

Cultural Traditions 6 hrs
HUM 3401 Asian Humanities or 3 hrs
HUM 3423 African Humanities or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
HUM 4459 American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies 6 hrs
HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
HUM 4934 Key Concepts in Humanities & Cultural Studies 3 hrs

5. Restricted Electives
■ None

6. Capstone Requirements (3 hrs)
HUM 4933 Senior Research Seminar 3 hrs

7. Foreign Language Requirements

Admissions
■ Met by graduation requirement

Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Departmental Exit Exam in final semester. Exam may be part of HUM 4933: Humanities Senior Research Seminar
■ Earn a “C” (2.0) or better in each required course.
■ To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
■ Computer Competency met by one of the following:
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
■ Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are as follows:

a. Core Requirements, Humanities and Cultural Studies, and Capstone 36 hrs
■ Same requirements as for regular majors

b. Honors Thesis 6 hrs
HUM 4903H Honors Directed Reading I 3 hrs
HUM 4970H Undergraduate Honors Thesis 3 hrs

c. Additional Requirements of Honors in the Major
■ Application and admission through the Humanities Honors Coordinator
■ Fulfill University requirements for Honors in the Major
■ Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
Successful completion and oral defense of Honors thesis

No more than 2 courses of 3000 or 4000 level courses applied to the B.A. in Humanities and Cultural Studies may be simultaneously applied to fulfill another major.

Earn a "B" (3.0) or better in both of the following:
- HUM 4903H Honors Directed Reading I 3 hrs
- HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Philosophy
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Digital Humanities
- Philosophy
- Religion and Cultural Studies
- Cognitive Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

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/academiclearningcompacts.html

Industrial Engineering (B.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/

Dr. William Thompson, william.thompson@ucf.edu
Phone: 407-823-2204

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- Students in the Industrial Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.

Students in the Industrial Engineering major who accumulate 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated three grades of W, WP, or WF at UCF, the student will be excluded from all CECS and COP majors.

Students in the Industrial Engineering major who are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Industrial Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one class from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations Group 2 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
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- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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

Select 1:
1. CHS 1440 Principles of Chemistry or
2. CHM 2045C Chemistry Fundamentals I
3. A 2.0 cumulative GPA or better is required for this course.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level

Courses Required for the Major

- The Industrial Engineering and Management Systems department 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.

ECS 1006C Introduction to the Engineering Profession
EGN 1007C Engineering Concepts and Methods

5. Restricted Electives

- 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

7. Foreign Language Requirements

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- EIN 4891C Industrial Engineering Senior Design

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

University Minimum Exit Requirements

- None

Plan of Study

- 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 academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall

1. ENC 1101 Composition I
2. EGS 1006C Introduction to the Engineering Profession
3. MAC 2311C Calculus with Analytic Geometry I
4. CHS 1440 Principles of Chemistry

Freshman Year - Spring

1. ENC 1102 Composition II
2. EGS 1007C Engineering Concepts and Methods
3. MAC 2312 Calculus with Analytic Geometry II
4. PHY 2048C Physics for Engineers & Scientists I

Freshman Year - Summer

1. COP 3223C Introduction to Programming with C

Select 1:
1. ECO 2013 Principles of Macroeconomics
2. ECO 2023 Principles of Microeconomics

Select 1
1. SPC 1603C Fundamentals of Technical Presentations
2. SPC 1608 Fundamentals of Oral Communication

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**Sophomore Year - Fall** 14 hrs  
MAC 2313 Calculus with Analytic Geometry III 4 hrs  
STA 3032 Probability and Statistics for Engineers 3 hrs  
EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr  
GEP 3 hrs  
EGN 3310 Engineering Analysis-Statics 3 hrs  

**Sophomore Year - Spring** 13 hrs  
MAP 2302 Ordinary Differential Equations I 3 hrs  
EGN 3321 Engineering Analysis-Dynamics 3 hrs  
MAS 3105 Matrix and Linear Algebra 4 hrs  
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs  

**Sophomore Year - Summer** 10 hrs  
GEP 6 hrs  
PHY 2049C Physics for Engineers and Scientists II 4 hrs  

**Junior Year - Fall** 12 hrs  
EIN 3314 Work Analysis and Design 3 hrs  
ESI 4312 Operations Research 3 hrs  
ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs  
EGN 3373 Principles of Electrical Engineering 3 hrs  

**Junior Year - Spring** 12 hrs  
ESI 4523 Systems Simulation 3 hrs  
EIN 4333 Production and Distribution Systems 3 hrs  
EIN 4364 Facilities Planning 3 hrs  
EIN 4243C Human Engineering 3 hrs  

**Junior Year - Summer** 9 hrs  
GEP 3 hrs  
GEP 3 hrs  
EGN 3343 Thermodynamics 3 hrs  

**Senior Year - Fall** 12 hrs  
Approved Technical Elective 3 hrs  
EIN 4391 Manufacturing Engineering 3 hrs  
ESI 4234 Quality Engineering 3 hrs  
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs  

**Senior Year - Spring** 13 hrs  
EIN 4891C Industrial Engineering Senior Design Project 4 hrs  
Approved Technical Elective 3 hrs  
EGS 4624 Engineering Innovation and Leadership 3 hrs  
EIN 4517 Systems Engineering 3 hrs  

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**  
- Part-Time Student: $38 per term  
- Full-Time Student: $77 per term

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**Information Technology (B.S.)**  
**College of Engineering and Computer Science**  
College of Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
**Email:** undergraduate@eecs.ucf.edu  
Dr. Ali Orooji  
Jenny Shen  
Julie Faris  
Phone: 407-823-2341

**Admission Requirements**  
- None  
- “C” (2.0) or better required in all prerequisites and courses required for the major.  
- Students should consult with a departmental advisor.

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**UCF Degree Programs**

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**A: Communication Foundations** (9 hrs)  
Required ENC 1101 Composition I 3 hrs  
Required ENC 1102 Composition II 3 hrs

**Select 1:** 3 hrs  
- Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs  
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)  
Required STA 2023 Statistical Methods I 3 hrs

**Select 1:** 3 hrs  
- Suggested MAC 1105C College Algebra or 3 hrs  
- Suggested MAC 1140C Pre-Calculus Algebra 3 hrs

**C: Mathematical Foundations** (6 hrs)  
Required ECO 2013 Principles of Macroeconomics 3 hrs  
Required PSY 2012 General Psychology 3 hrs

**D: Social Foundations** (6 hrs)  
Required PHY 2053C College Physics I 4 hrs  
Select one class from Science Foundations 3 hrs

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2. Common Program Prerequisites (CPP) (15 hrs)
   ■ A “C” (2.0) or better is required in all these courses.
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   MAC 1114C  College Trigonometry  3 hrs
   ECO 2013  Principles of Macroeconomics  GEP
   PSY 2012  General Psychology  GEP
   PHY 2053C  College Physics I  GEP
   COP 3223C  Introduction to Programming with C  3 hrs
   COP 3330  Object Oriented Programming  3 hrs
   CGS 2545C  Database Concepts  3 hrs
   STA 2023  Statistical Methods I  GEP

   Select 1: 3 hrs
   MAD 2104  Foundations of Discrete Math or
   COT 3100C  Introduction to Discrete Structures  3 hrs

3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level (52 hrs)
   ■ A “C” (2.0) or better is required in all these courses.
   Core Requirements 46 hrs
   COP 3502C  Computer Science I  3 hrs
   CIS 3360  Security in Computing  3 hrs
   CAP 4104  Human and Technology Interaction  3 hrs
   CGS 3269  Computer Architecture Concepts  3 hrs
   CNT 3004  Computer Network Concepts  3 hrs
   CIS 3003  Fundamentals of Information Technology  3 hrs
   CIS 4524  Managing IT Integration  3 hrs
   CNT 4714  Enterprise Computing  3 hrs
   CIS 4004  Web-Based Information Technology  3 hrs
   CNT 4703C  Design and Implementation of Computer Communication Networks  3 hrs
   COP 4910  Frontiers in Information Technology  3 hrs
   PHI 3626  Advanced Ethics in Science and Technology  3 hrs
   CGS 3763  Operating System Concepts  3 hrs
   CNT 4603  System Administration and Maintenance  3 hrs
   PHY 2054C  College Physics II  4 hrs

Support Courses 6 hrs
   ■ A “C” (2.0) or better is required in all these courses.
   Select 1: 3 hrs
   ENC 4265  Writing for the Computer Industry or
   ENC 4414  Writing and Hypertext or
   ENC 4415  Digital Rhetorics and The Modern Dialectic or
   ENC 4298  Technical Communication for the Virtual Workplace or
   ENC 4416  Writing in Digital Environments or
   ENC 4262  International Technical Communication or
   ENC 4215  Technical Publication and Project Management  3 hrs

   Select 1: 3 hrs
   ENC 3241  Writing for the Technical Professional or
   ENC 3250  Professional Writing  3 hrs

5. Restricted Electives (6 hrs)
   ■ Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs. CGS 4941 can be used as a restricted elective.
   ■ A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   ■ None

8. Electives
   ■ Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.
9. Additional Requirements
   ■ An “S” grade is required in all these courses.

   Major specific support courses 1 hr
   CIS 3990  IT Career and Academic Advising I  0 hrs
   CIS 4991  IT Career and Academic Advising II  0 hrs
   CIS 3921  Careers in IT  1 hr

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ None

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120
Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Computer Science

Certificates
■ None

Related Minors
■ Computer Science
■ Secure Computing and Networks

Advising Notes
■ None

Transfer Notes
■ Grades below “C” (2.0) are not accepted
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 12 hrs
   ENC 1101  Composition I  3 hrs
   SPC 1603C  Fundamentals of Technical Presentations  3 hrs
   COP 3223C  Introduction to Programming with C  3 hrs

   Select 1:  3 hrs
   MAC 1105C  College Algebra or
   MAC 1140C  Pre-Calculus Algebra  3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102  Composition II  3 hrs
   MAC 1114C  College Trigonometry  3 hrs
   COP 3502C  Computer Science I  3 hrs
   ECO 2013  Principles of Macroeconomics  3 hrs
   PSY 2012  General Psychology  3 hrs

Sophomore Year - Fall 16 hrs
   MAD 2104  Foundations of Discrete Math  3 hrs
   COP 3330  Object Oriented Programming  3 hrs
   PHY 2053C  College Physics I  4 hrs
   CGS 2545C  Database Concepts  3 hrs
   GEP  3 hrs

Sophomore Year - Spring 16 hrs
   CGS 3269  Computer Architecture Concepts  3 hrs
   STA 2023  Statistical Methods I  3 hrs
   CIS 3003  Fundamentals of Information Technology  3 hrs
   GEP  3 hrs
   Free Elective  3 hrs
   CIS 3921  Careers in IT  1 hr
   CIS 3990  IT Career and Academic Advising I  0 hrs
Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.

**See Common Program Prerequisites**

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/ or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Integrated Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

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

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

   **B: Cultural & Historical Foundations (9 hrs)**
   Required CGS 2100C Computer Fundamentals
   - Required MAC 1105C College Algebra

   **C: Mathematical Foundations (6 hrs)**
   Required CGS 2100C Computer Fundamentals
   - Required MAC 1105C College Algebra

   **D: Social Foundations (6 hrs)**
   - Select 1:
     - Required ECO 2013 Principles of Macroeconomics
     - Required ECO 2023 Principles of Microeconomics

   **Select 1:**
   - Suggested ANT 2000 General Anthropology or
   - Suggested PSY 2012 General Psychology or
   - Suggested SYG 2000 Introduction to Sociology

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

   - Must be completed with a "C" (2.0) or better.
   - ACG 2021 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - CGS 2100C Computer Fundamentals for Business
   - ECO 2013 Principles of Macroeconomics
   - ECO 2023 Principles of Microeconomics

   **Select one of the following sequences of courses:**
   - Students 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
     - STA 2023 Statistical Methods I
   - 1 Or MAC 2311 and MAC 2312
UCF Degree Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (52 hrs)
   - Primary Core 15 hrs
     - ACG 3173 Accounting for Decision-Makers 3 hrs
     - ECO 3411 Quantitative Business Tools II 3 hrs
     - FIN 3403 Business Finance 3 hrs
     - MAN 3025 Management of Organizations 3 hrs
     - MAR 3023 Marketing 3 hrs
   - Secondary Core 13 hrs
     - GEB 3003 Career Research & Planning 1 hr
     - GEB 3005 Career Search Strategy 1 hr
     - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - GEB 3375 Introduction to International Business 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs
     - GEB 4223 Business Interviewing Techniques 1 hr
     - GEB 4004 Executing Your Career Plan 1 hr
   - Required Courses for Major 24 hrs
     - GEB 4522 Data Driven Decision Making 3 hrs
     - ISM 4041 Applied Business Technologies 3 hrs
     - MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
     - GEB 3031 Integrated Business Foundations 3 hrs
     - MAR 3407 Contemporary Selling 3 hrs
     - ENT 4412 Managing Small Business Finances 3 hrs
     - ECP 4703 Managerial Economics 3 hrs
     - MAN 4583 Project Management 3 hrs
   - Restricted Electives (3 hrs)
     - Take one class from the list below.
     - FIN 2100 Personal Finance and Investments 3 hrs
     - SPB 3003 Introduction to Sport Business 3 hrs
     - REE 3043 Fundamentals of Real Estate Management 3 hrs
     - ECO 3223 Money and Banking 3 hrs
     - MAR 4940 Fundamentals of Services Marketing 3 hrs
     - GEB 4941 Internship 3 hrs
   - Capstone Requirements (3 hrs)
     - An approved Intent to Graduate must be on file in order to register for MAN 4720
     - MAN 4720 Strategic Management 3 hrs

5. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - Electives
     - Variable
   - Additional Requirements
     - None

6. Required Minors
   - None

7. Departmental Exit Requirements
   - A minimum major GPA and a minimum College of Business GPA of 2.0.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

9. Total Semester Hours Required
   - 120

10. Honors In Major
    - None

11. Related Programs
    - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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 Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class.
   - Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - General electives as required to earn 120 credit hours.

Freshman Year - Fall
   - ENC 1101 Composition I 3 hrs
   - MAC 1105C College Algebra 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - Cultural Foundation I 3 hrs
   - Elective 3 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - Social Foundation 3 hrs
   - Elective 3 hrs
   - Elective 3 hrs

Sophomore Year - Fall
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ECP 2071 Principles of Managerial Accounting 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - Historical Foundation I 3 hrs
   - Science 3 hrs
   - Elective 3 hrs

Sophomore Year - Spring
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ECP 3401 Quantitative Business Tools I 3 hrs
   - Historical Foundation II 3 hrs
   - Science 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs

Junior Year - Fall
   - GEB 3003 Career Research & Planning 1 hr
   - MAN 3025 Management of Organizations 3 hrs
   - MAR 3023 Marketing 3 hrs
   - FIN 3403 Business Finance 3 hrs

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Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

No courses can count in more than one subject area or in a subject area and a minor.

Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (6 hrs)

IDS 3833 Cornerstone Experience 3 hrs
IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level

None

5. Restricted Electives (30 hrs)

Students must complete two different subject area concentrations from among those specified below.

Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.

Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.

See the Interdisciplinary Studies Advising Team for details regarding each area:

- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Physical Sciences
- Life/Biomedical Sciences
- Public Affairs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

BA: Met by graduation requirement.
BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation

BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

Interdisciplinary Studies (B.A. / B.S.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3 hrs</td>
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<tr>
<td>ACG 3173</td>
<td>Accounting for Decision-Makers</td>
<td>3 hrs</td>
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<tr>
<td>Junior Year - Spring</td>
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<td>13 hrs</td>
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<tr>
<td>GEB 3005</td>
<td>Career Search Strategy</td>
<td>1 hr</td>
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<tr>
<td>MAN 3302</td>
<td>Essentials of Human Resource</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 4041</td>
<td>Management for Integrated Business</td>
<td>3 hrs</td>
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<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Integrated Business Foundations</td>
<td>3 hrs</td>
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<tr>
<td>Senior Year - Fall</td>
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<td>16 hrs</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3407</td>
<td>Contemporary Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4522</td>
<td>Data Driven Decision Making</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4412</td>
<td>Managing Small Business Finances</td>
<td>3 hrs</td>
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<tr>
<td>Senior Year - Spring</td>
<td></td>
<td>13 hrs</td>
</tr>
<tr>
<td>ECP 4703</td>
<td>Managerial Economics</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAN 4583</td>
<td>Project Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>IB Restricted Elective</td>
<td></td>
<td>3 hrs</td>
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Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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### UCF Degree Programs

#### Interdisciplinary Studies - Environmental Studies Track (B.S.)

**College of Undergraduate Studies**  
**Office of Interdisciplinary Studies,**  
**Classroom I, Room: 302**  
[http://www.is.ucf.edu](http://www.is.ucf.edu)  
**Email:** is@ucf.edu  
**Phone:** 407-823-0144

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.

### Core Requirements: Basic Level (11 hrs)

- **A:** Communication Foundations  
  - SYG 2000 Introduction to Sociology  3 hrs
  - ECO 2023 Principles of Microeconomics  3 hrs

### Core Requirements: Advanced Level (19 hrs)

- **B:** Cultural & Historical Foundations  
  - SYG 2000 Introduction to Sociology  3 hrs
  - ECO 2023 Principles of Microeconomics  3 hrs

- **C:** Mathematical Foundations  
  - STA 2023 Statistical Methods I  3 hrs

### Life Sciences

- BSC 2010C Biology I  4 hrs
- PCB 304Y Principles of Ecology  3 hrs
- PCB 3044L Principles of Ecology Laboratory  1 hr

### Social Science & Humanities

- SYG 2000 Introduction to Sociology  GEP
- ECO 2023 Principles of Microeconomics  GEP

### Environmental Studies Fundamentals

- IDS 3150 Foundations of Environmental Studies  3 hrs
- GIS 3043C GIS for Environmental Studies  3 hrs
- GIS 4301C Advanced GIS Applications in Environmental Studies  4 hrs
- PUB 3203 Environmental Politics  3 hrs
- SYD 4510 Environment and Society  3 hrs

### Related Minors

- **None**

### Additional Requirements

- **None**

### Rule

- **120**

### Honors In Major

- **None**

### Certificates

- **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/academiciclearningcompacts.html](http://www.oeas.ucf.edu/academiciclearningcompacts.html)

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

#### A: Communication Foundations (9 hrs)

- SYG 2000 Introduction to Sociology  3 hrs
- ECO 2023 Principles of Microeconomics  3 hrs

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

- SYG 2000 Introduction to Sociology  3 hrs
- ECO 2023 Principles of Microeconomics  3 hrs

#### C: Mathematical Foundations (6 hrs)

- STA 2023 Statistical Methods I  3 hrs

### 2. Social Foundations (6 hrs)

- Required SYG 2000 Introduction to Sociology  3 hrs
- Required ECO 2023 Principles of Microeconomics  3 hrs

### 3. Science Foundations (8 hrs)

- Required BSC 2010C Biology I  4 hrs
- Required CHM 2045C Chemistry Fundamentals I  4 hrs

### 4. Core Requirements: Advanced Level (19 hrs)

### 5. Restricted Electives (18 hrs)

- **None**

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Science Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- BCH 4053  Biochemistry I  3 hrs
- BCH 4054  Biochemistry II  3 hrs
- BOT 3152C  Local Flora  3 hrs
- BOT 3802  Ethnobotany  3 hrs
- BOT 4303C  Plant Kingdom  5 hrs
- BOT 4713C  Plant Taxonomy  5 hrs
- BSC 4312C  Advanced Marine Biology  4 hrs
- CHM 3120  Analytical Chemistry  3 hrs
- OCE 3008  Oceanography  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 3442  Aquatic Ecology  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- PCB 4723  Animal Physiology  4 hrs
- PCB 5045  Conservation Biology  4 hrs
- PCB 5326C  Ecosystems of Florida  5 hrs

Values, Planning, & Policy Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541  Biobehavioral Anthropology  3 hrs
- BOT 3802  Ethnobotany  3 hrs
- ECP 4303  Environmental and Natural Resource Economics  3 hrs
- ENC 3211  Theory and Practice of Technical Writing  3 hrs
- ENC 3241  Writing for the Technical Professional  3 hrs
- ENC 4360  Nature Writing  3 hrs
- INR 4351  International Environmental Law  3 hrs
- 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  Environmental Ethics  3 hrs
- PHI 4400  Philosophy of Science  3 hrs
- PHI 4633  Ethics and Biological Science  3 hrs
- PHM 4031  Environmental Philosophy  3 hrs
- PLA 4554  Environmental Law  3 hrs
- PUP 3204  Sustainability  3 hrs
- PUP 4209  Urban Environmental Policy  3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Interdisciplinary Studies - Women's Studies Track (B.A.)

College of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom 1, Room: 302

http://www.is.ucf.edu

Email: is@ucf.edu

Email: womenst@ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level
   None

5. Restricted Electives (36 hrs)
   Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
   Students must complete one subject area from those specified in the Second Study Area below.
   Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 18 hrs
- Take 18 hours from either the Womanist/Women of Color Area or the Women's Studies Cognate Area
- WST 3460 Women, Race and Struggle 3 hrs
- Select 5: 15 hrs
  - AML 3614 Topics in African-American Literature or 3 hrs
  - AML 3682 Ethnic Literature in America or 3 hrs
  - AML 4261 Literature of the South or 3 hrs
  - ANT 3212 Peoples of the World or 3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice or 3 hrs
  - CCJ 4681 Domestic Violence and the Justice System or 3 hrs

Select 6: 18 hrs
- Other courses may be utilized for this area with the permission of the director.
- Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.

Second Study Area (from those below) 18 hrs
- Take 18 hours from either the Womanist/Women of Color Area or the Women's Studies Cognate Area
- WST 3460 Women, Race and Struggle 3 hrs
- Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
   - Note: Students entering without having met the admission requirement must do so in order to graduate.

8. Electives
   - Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

9. Additional Requirements
   - None

10. Required Minors
    - Women's Studies

11. Departmental Exit Requirements
    - A grade of "C" or above (2.0) is required for each course taken in each of the subject areas.
    - Computer Competency is met by departmental assessment, or the following courses:
      - CGS 1060C Introduction to Computers 3 hrs
      - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

*Total Semester Hours Required*
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency 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.o eas.ucf.edu/academiclearningcompacts.html

International and Global Studies (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalseience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Most courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:
- Students who double major in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.
  - POS 2041 American National Government 3 hrs

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Prefer ENC 1102 Composition II 3 hrs
- Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2012 World Civilization I 3 hrs
- Prefer WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - Prefer 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
- Prefer STA 2014C Principles of Statistics or
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- 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)
- None

3. Core Requirements: Basic Level (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
- CPO 3103 Comparative Politics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)
- None
- Other courses may be substituted with departmental approval.

Regional 9 hrs
- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - POS 4101 Politics of the European Union 3 hrs
  - POS 4123 Government and Politics of Great Britain 3 hrs
  - POS 4303 Comparative Latin American Politics 3 hrs
  - POS 4514 Politics of East Asia 3 hrs
  - POS 4553 Politics of Japan 3 hrs
  - POS 4643 Government and Politics of Russia 3 hrs
  - POS 4710 Women in Comparative Politics 3 hrs
  - INR 3250 Politics of Pan-Africanism 3 hrs
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs

Functional 9 hrs
- Select from the following listing:
  - CPO 3057 Contemporary Revolution and Political Violence 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4754 Comparative Political Institutions 3 hrs
  - INR 3016 Global Political Issues 3 hrs
  - INR 4011 Politics of Globalization 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4060 Causes of War 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs

6. Capstone Requirements
- None
7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
   - No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements
   - None

10. Required Minors
    - No more than one course may be used to fulfill both this major and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Latin American Studies, Spanish, Russian or Modern Language Combination.
    - Note: The International Business Minor is only available to Business majors.
    - Other minors may be substituted with the program coordinator’s approval.
    - Aerospace Studies
    - Anthropology in Multicultural Studies
    - Asian Studies
    - Diplomacy
    - Diversity and Social Inequality
    - Economics
    - Economic Policy
    - European Studies
    - French
    - Global Peace and Security Studies
    - Human Communication
    - International Business
    - Italian
    - Latin American Area Studies
    - Middle Eastern Studies
    - Military Science
    - Russian Studies
    - Spanish
    - Terrorism Studies
    - World Comparative Studies

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in the major.
    - Complete the Educational Testing Service Field Exam in Political Science during the student’s 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.
### Journalism (B.A.)

**Nicholson School of Communication, NSC, Room: 143**

http://communication.cos.ucf.edu

**Email:** journalism@ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

**Admission Requirements**

- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF's Testing Center unless they have AP or IB credit in English or an "A" or better in both of the following courses:
  - ENC 1101 Composition I
  - ENC 1102 Composition II

**Application Deadlines:**

- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

**Degree Requirements**

- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.

- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 79 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 79 hour rule, no more than 41 (or 44 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

**A: Communication Foundations** (9 hrs)

- **Composition:** Complete both courses.
  - Required ENC 1101 Composition I
  - Required ENC 1102 Composition II

- **Speech:** Select one of the following.
  - Required SPC 1603C Fundamentals of Technical Presentations
  - Suggested SPC 1604C Fundamentals of Oral Communication
  - Suggested SPC 1603C Fundamentals of Technical Presentations

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

- **Group 1:** Select a course from group 1.
  - Preference: AMH 2010 U.S. History: 1492-1877

- **Group 2:** Select a course from group 2.
  - Preference: STA 2014C Principles of Statistics

- **Group 3:** Select a course from either group 1 or 2.

**C: Mathematical Foundations** (6 hrs)

**Statistics-Computers:**

- Suggested CGS 1060C Introduction to Computers
- Suggested STA 2014C Principles of Statistics

**Math:**

- Suggested MGF 1106 Finite Mathematics
- Suggested MGF 1107 Explorations in Mathematics
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

**D: Social Foundations** (6 hrs)

- **Group 1:**
  - Preference FOS 2041 American National Government

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**UNIVERSITY OF CENTRAL FLORIDA**

UCF Degree Programs

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UCF Degree Programs

Group 2: Select a listed course 3 hrs
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

3. Core Requirements: Basic Level (19 hrs)
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

Core 16 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  - JOU 2100C News Reporting and 3 hrs
  - JOU 3004 History of American Journalism and 3 hrs
  - MMC 3200 Mass Communication Law and 3 hrs
  - JOU 3015 Principles of Journalism and 3 hrs
  - RTV 3321 Electronic News Gathering 4 hrs

Select 1: 3 hrs
- MMC 2004 Mass Media or 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  - MMC 4300 International Media or 3 hrs
  - Any Nicholson School advisor approved upper-division Study Abroad course 3 hrs

5. Restricted Electives (15 hrs)
- These courses can only be completed after acceptance into the program.
- (NOTE: May NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
- All prerequisites of courses will be enforced.
- Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs

Digital News: Select the following: 6 hrs
- JOU 3101 Advanced Reporting 3 hrs

Select 1:
- JOU 4340C Online Journalism I or 3 hrs
- JOU 4342C Multimedia Journalism 3 hrs

Group A: Select from the following: 3-6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 4591C Webcasting I 3 hrs
- RTV 4681C Television News 4 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3130 In-Depth Reporting 3 hrs
- JOU 3184C Metro Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3310 Social Media Writing for Magazines 3 hrs
- JOU 3313C Sports Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4211C Informational Graphics 3 hrs

Group B: Select from the following: 3-6 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 2004 Mass Media 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4800 Broadcast Management 3 hrs
- JOU 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours
- Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements (4 hrs)

Electronic News: 4 hrs
- RTV 4681C Television News 4 hrs

Digital News: 4 hrs
- JOU 4950 Senior Capstone in Journalism 4 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap.

11. Departmental Exit Requirements
- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- ENC 110I Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- MMC 2004 Mass Media or RTV 4403 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Select 1:
- MMC 3200 Media Law 3 hrs
- RTV 3321 Electronic News Gathering 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Sophomore Year - Spring
- Apply for admission by Feb 1
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Junior Year - Fall
- If admitted, take...
- JOU 3004 History of American Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- RTV 3321 Electronic News Gathering 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring
- JOU 3015 Principles of Journalism 3 hrs
- MMC 4300 International Media 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

Senior Year - Fall
- Submit Journalism Portfolio
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Spring
- Capstone 4 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 2 hrs
- Elective-take outside of NSC 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)
College of Arts and Humanities
Latin American Studies, Colbourn Hall, Room: 122
Dr. Consuelo Stebbins Director, stebbins@ucf.edu
Donna Mercado Senior Admissions Specialist, Donna.Mercado@ucf.edu
Phone: 407-823-1173

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with the program director or advisor.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) 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 COM 1000 Introduction to Communication  3 hrs
   B: Cultural & Historical Foundations  (9 hrs)
      Prefer ARH 2050 History of Western Art I  3 hrs
      Select 2 Courses From B.1 Based On Area Selections  6 hrs
   C: Mathematical Foundations  (6 hrs)
      Prefer STA 1063C Basic Statistics Using Microsoft Excel  3 hrs
   Select 1:  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 2302 American National Government  3 hrs
      Prefer ANT 2000 General Anthropology  3 hrs
   E: Science Foundations  (6 hrs)
      Prefer ANT 2511 The Human Species  3 hrs
      Select 1 course from E.1  3 hrs
   2. Common Program Prerequisites (CPP)
      ■ None
   3. Core Requirements: Basic Level  (3 hrs)
      LAS 3002 Topics in Latin American Studies  3 hrs
   4. Core Requirements: Advanced Level  (12 hrs)
      GEA 4405 Geography of Latin America  3 hrs
      LAH 3200 Modern Latin America  3 hrs
      LAH 3101 Latin American Popular Culture  3 hrs
      LAH 4023 African Caribbean Experience  3 hrs
   5. Restricted Electives  (21 hrs)
      Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
      ■ Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
      ■ Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the Program Director.
   Area One:  12 hrs
      Anthropology
      ANT 3160 Americas Before Columbus  3 hrs
      ANT 3161 Ancient Mexico: Aztec to Zapotec  3 hrs
      ANT 3163 Mesoamerican Archaeology  3 hrs
      ANT 3164 Ancient Incas  3 hrs
      ANT 3165 Archaeology of South America  3 hrs
      ANT 3168 Maya Archaeology  3 hrs
      ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas  3 hrs
      ANT 3330 Anthropology of the Amazon  3 hrs
      ANT 4266 Economic Anthropology: Production, Consumption, and Exchange  3 hrs
      ANT 4340 Caribbean Cultures  3 hrs
      ANT 3177 Archaeology of Caribbean Piracy  3 hrs
      ANT 4332 People and Cultures of Latin America  3 hrs
      History
      LAH 3130 Latin American History I  3 hrs
      LAH 3400 History of Mexico and Central America  3 hrs
      LAH 3470 History of the Caribbean  3 hrs
      LAH 4136 Colonial Florida  3 hrs
      LAH 4512 Modern Argentina  3 hrs
      LAH 4461 History of Puerto Rico  3 hrs
      LAH 4480 History of Cuba  3 hrs
      LAH 4742 The Mexican Revolution  3 hrs
      LAH 4780 Poverty and Development in Latin America  3 hrs
   Spanish and Spanish Literature
      ■ Students can choose from the extensive listing of upper level SPN and SPW courses. The student should give preference to those courses related to Latin American culture and civilization. No more than six (6) hours can overlap between the LAS major and the minor.
   Area Two:  9 hrs
      ■ (Select no more than 6 credit hours of courses with the same prefix)
      Art History
      ARH 2051 History of Western Art II  3 hrs
      ARH 3670 20th Century Latin American Art  3 hrs
      ARH 3673 Modern Art of Mexico  3 hrs
      ARH 3674 Latin American Popular Visual Culture  3 hrs
      ARH 4653 Meso American Art  3 hrs
      English
      AML 3615 Harlem, Haiti, and Havana  3 hrs
      AML 3682 Ethnic Literature in America  3 hrs
      AML 4630 Latino/Latina Literature  3 hrs
      LIT 3192 Caribbean Literature  3 hrs
      LIT 3381 Women Writers of Color  3 hrs
      LIT 3823 Hispanic Women Writers  3 hrs
      LIT 3368 Magical Realism in Literature  3 hrs
      Humanities
      HUM 3460 Latin American Humanities  3 hrs
      International Relations
      INR 4243 International Politics of Latin America  3 hrs
      INR 4074 Immigration Policy  3 hrs
      INR 4076 Global Drug Policy  3 hrs
      Latin American Studies
      ■ See LAS Advisor for offerings.
      Politics
      CPO 3034 Politics of Developing Areas  3 hrs
      CPO 3103 Comparative Politics  3 hrs
      CPO 4074 Political Economy  3 hrs
      CPO 4794 Indigenous Politics and the Environment  3 hrs
      CPO 4303 Comparative Latin American Politics  3 hrs
      Public Policy
      PUP 3314 Minorities in American Politics  3 hrs
   6. Capstone Requirements
      ■ Required Experiential Learning (capstone experience, 0 - 3 hrs):
      ■ Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
         ■ 1. A formal study-abroad program on Latin America of at least 45 contact hours equaling three (3) hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three (3) hours of academic Independent Study, and/or Internship credit is available with Program Director’s prior approval.
         ■ 2. Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
         ■ 3. At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.
   7. Foreign Language Requirements
      Admissions
      ■ Foreign Language Requirement:  (0 - 14 hrs)
      ■ LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.
Graduation

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Related Programs

Certificates

Related Minors

Transfer Notes

Acceptable Substitutes for Transfer Courses

Plan of Study

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
ANT 2000 General Anthropology 3 hrs
MTH 2140 Calculus I 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
POS 2041 American National Government 3 hrs
MTH 2140 Calculus I 4 hrs

Freshman Year - Summer 6 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall 12 hrs
COM 1000 Introduction to Communication 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
GEP Course in Cultural & Historical Foundations from B.1 3 hrs
GEP Course in Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ARH 2050 History of Western Art I 3 hrs
GEP Course in Cultural & Historical Foundations From B.1 3 hrs
GEP Course in Science Foundation 3 hrs
LAS 3002 Topics in Latin American Studies 3 hrs

Sophomore Year - Summer 4 hrs
LAS 3955 Study Abroad 1 hr
Elective 3 hrs

Junior Year - Fall 12 hrs
GEO 4405 Geography of Latin America 3 hrs
Two courses from first area of emphasis 6 hrs
LAS 4023 African Caribbean Experience 3 hrs

Junior Year - Spring 12 hrs
LAH 3200 Modern Latin America 3 hrs
One course from first area of emphasis 3 hrs
One course from second area of emphasis 3 hrs
LAS 3101 Latin American Popular Culture 3 hrs

Junior Year - Summer 6 hrs
Elective 3 hrs
Elective 3 hrs

Senior Year - Fall 12 hrs
One course from first area of emphasis 3 hrs
One course from second area of emphasis 3 hrs
Course in Minor 3 hrs
Course in Minor 3 hrs

Senior Year - Spring 10 hrs
One course from second area of emphasis 3 hrs
LAS 4906 Directed Independent Study 1 hr
Course in Minor 3 hrs
Course in Minor 3 hrs

Senior Year - Summer 6 hrs
Elective 3 hrs
Elective 3 hrs

Program Academic Learning Compacts

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs

Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.coahpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students must complete a minimum of four face-to-face Legal Studies courses in order to be eligible for Florida Paralegal Certification.

Admission Requirements

% 245

University of Central Florida
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required: ENC 1101 Composition I 3 hrs
   - Required: ENC 1102 Composition II 3 hrs

   B: Cultural & Historical Foundations  (9 hrs)
   - None

   C: Mathematical Foundations  (6 hrs)
   - None

   D: Social Foundations  (6 hrs)
   - None

   E: Science Foundations  (6 hrs)
   - None

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level  (18 hrs)
   - All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   - PLA 3014 Law and the Legal System 3 hrs
   - PLA 3108 Legal Research 3 hrs
   - PLA 3155 Legal Writing 3 hrs
   - PLA 3205 Civil Practice and Procedure 3 hrs
   - PLA 3615 Property and Real Estate Law 3 hrs
   - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives  (30 hrs)
   Upper Division Restricted Electives  (21 hrs)
   - 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

   Supporting Courses  (9 hrs)
   - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

   Specializations
   - Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Student are not required to declare a specialization. The following specializations are offered:
     - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements  (3 hrs)
   - Capstone must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   - PLA 4935 Capstone: Legal Issues 3 hrs

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
   - If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
    - Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
<td>GEP Math</td>
<td>3 hrs</td>
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<tr>
<td>PAF 2102</td>
<td>2 hrs</td>
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<tr>
<td>GEP Social</td>
<td>3 hrs</td>
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<tr>
<td>GEP Science</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Senior Year - Fall 16 hrs
GEP Communication 3 hrs
Free Elective 3 hrs
GEP Science 3 hrs
GEP Historical 3 hrs
Foreign Language I or BS option 4 hrs

Sophomore Year - Spring 16 hrs
PLA 3014 Law and the Legal System 3 hrs
Free Elective 3 hrs
Elective / Minor 3 hrs
GEP Historical 3 hrs
Foreign Language II or BS option 4 hrs
Junior Year - Fall 15 hrs
PLA 3108 Legal Research 3 hrs
PLA 3205 Civil Practice and Procedure 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Junior Year - Spring 15 hrs
PLA 3155 Legal Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Senior Year - Fall 15 hrs
PLA 3615 Property and Real Estate Law 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Internship or Restricted Elective 3 hrs
Senior Year - Spring 15 hrs
PLA 4935 Capstone: Legal Issues 3 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Internship or Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5569

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-for-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least "B" (3.0) in MAN 3025, and no grade below a "C" (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Management major and/or College of Business.
- A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a "B" or higher in MAN 3025. In addition, only grades of "C" (2.0) or higher transfer into the program and students must earn a minimum of "C" (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1008 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Required MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or
Prefer ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
Suggested ANT 2000 General Anthropology or
Suggested PSY 2012 General Psychology or
Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" 2.0 or better
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
### UCF Degree Programs

#### Required Courses for Major

**Primary Core**
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

**Secondary Core**
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

**Required Courses for Major**
- MAN 4350 Performance Management 3 hrs
- MAN 4143 Leadership Development 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs
- MAN 4046 Teamwork, Collaboration, and Group Dynamics 3 hrs

**5. Restricted Electives**

**Restricted Elective Courses**
- Select 3: 9 hrs
  - GEB 4435 Moral Foundations of Business or 3 hrs
  - MAN 4209 Designing Dynamic Organizations or 3 hrs
  - MAN 3301 Strategic Human Resource Management or 3 hrs
  - MAN 4320 Human Resources Recruitment and Selection or 3 hrs
  - MAN 4329 Business Analytics in Human Resource Management or 3 hrs

**6. Capstone Requirements**
- Any MAN or ENT course 3 hrs
- Business Elective 3 hrs
  - Any upper level business course 3 hrs

**7. Foreign Language Requirements**

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

**Graduation**
- None

**8. Electives**
- Variable

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

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**Honors in Major**

- **Eligibility:** Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, and at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- **Admission:** Application for admission to the Honors in the Major program must be approved by both the Chair of the Management Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
- **Requirements:** Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

  **Honors in Major Credit Requirements**
  - **Required Honors Reading Course** 3 hrs
    - MAN 4903H Honors Directed Reading I or 3 hrs
    - MAN 4904H Honors Directed Reading II 3 hrs
  - **Required Honors Thesis** 3 hrs
    - MAN 4907H Undergraduate Honors Thesis 3 hrs

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

**Advising Notes**
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

**Acceptable Substitutes for Transfer Courses**

**Plan of Study**
- **Freshman Year - Fall** 15 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - Cultural Foundation I 3 hrs
  - Elective 3 hrs

**Freshman Year - Spring** 12 hrs
- Any College coursework 12 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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Sophomore Year - Spring  
ACG 2021  Principles of Financial Accounting  3 hrs  
SPC 1608  Fundamentals of Oral Communication  3 hrs  
History  3 hrs  
Elective  3 hrs  

Sophomore Year - Fall  
ACG 2071  Principles of Managerial Accounting  3 hrs  
ECO 3401  Quantitative Business Tools I  3 hrs  
History  3 hrs  
Elective  3 hrs  

Junior Year - Fall  
ACG 3173  Accounting for Decision-Makers  3 hrs  
ECO 3411  Quantitative Business Tools II  3 hrs  
MAN 3025  Management of Organizations  3 hrs  
MAR 3023  Marketing  3 hrs  
FIN 3403  Business Finance  3 hrs  
GEB 3003  Career Research & Planning  1 hr  

Junior Year - Spring  
MAN 4240  Organizations: Theory and Behavior  3 hrs  
MAN 4441  Conflict Resolution and Negotiation  3 hrs  
MAN Elective  3 hrs  
GEB 3375  Introduction to International Business  3 hrs  
GEB 3005  Career Search Strategy  1 hr  
Elective  2 hrs  

Senior Year - Fall  
Management Elective  3 hrs  
Business Elective  3 hrs  
BUL 3130  Legal and Ethical Environment of Business  3 hrs  
MAN 4143  Leadership Development  3 hrs  
MAN 4350  Performance Management  3 hrs  
GEB 4223  Business Interviewing Techniques  1 hr  

Senior Year - Spring  
MAN 4046  Teamwork, Collaboration, and Group Dynamics  3 hrs  
MAR 3203  Supply Chain and Operations Management  3 hrs  
MAN 4720  Strategic Management  3 hrs  
Management Elective  3 hrs  
GEB 4004  Executing Your Career Plan  1 hr  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oantas.ucf.edu/academiclearningcompacts.html

Equipment Fees  
- Part-Time Student: $15 per term  
- Full-Time Student: $30 per term  

Marketing (B.S.B.A.)  
College of Business Administration  
Department of Marketing,  
Business Administration II, Room: 307S  
http://business.ucf.edu/undergraduate-programs  
Phone: 407-823-2108  

Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-B selling, with the potential to advance into either sales management or marketing management. Not eligible for a double degree with another College of Business Administration major.
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 2571: Principles of Managerial Accounting 3 hrs
     - CGE 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
    - 1 MAC 2233: Concepts of Calculus and STA 2023: Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (55 hrs)
   - Primary Core 15 hrs
     - ACG 3173: Accounting for Decision-Makers 3 hrs
     - ECO 3411: Quantitative Business Tools II 3 hrs
     - FIN 3403: Business Finance 3 hrs
     - MAN 3025: Management of Organizations 3 hrs
     - MAR 3023: Marketing 3 hrs
   - Secondary Core 13 hrs
     - GEB 3003: Career Research & Planning 1 hr
     - GEB 3005: Career Search Strategy 1 hr
     - BUL 3130: Legal and Ethical Environment of Business 3 hrs
     - GEB 3375: Introduction to International Business 3 hrs
     - MAR 3203: Supply Chain and Operations Management 3 hrs
     - MAR 4223: Business Interviewing Techniques 1 hr
     - MAR 4004: Executing Your Career Plan 1 hr

Required Courses for Major

Marketing Management Track: Required 24 hrs
- MAR 3615: Marketing Analysis 3 hrs
- MAR 3391: Professional Selling 3 hrs
- MAR 3503: Consumer Behavior 3 hrs
- MAR 3613: Marketing Research 3 hrs
- MAR 3721: Digital Media Marketing 3 hrs
- MAR 4832: Product Management 3 hrs
- MAR 4804: Marketing Strategy 3 hrs
- MAR 4418: Strategic Sales Force Management 3 hrs

Marketing Management Track: Electives 3 hrs
Select 1:
- MAR 4841: Services Marketing or 3 hrs
- MAR 4941: Marketing Internship 3 hrs

OR
Professional Selling Track: Required 27 hrs
- Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1. Department faculty committee will select professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of “B-” (2.75) or higher in the following course to apply:
  - MAR 3391: Professional Selling 3 hrs

Take all of the following:
- MAR 3615: Marketing Analysis 3 hrs
- MAR 3391: Professional Selling 3 hrs
- MAR 3503: Consumer Behavior 3 hrs
- MAR 3613: Marketing Research 3 hrs
- MAR 3721: Digital Media Marketing 3 hrs
- MAR 4418: Strategic Sales Force Management 3 hrs
- MAR 4804: Marketing Strategy 3 hrs
- MAR 4415C: Advanced Professional Selling 3 hrs
- MAR 4413C: Strategic Issues in Sales 3 hrs

5. Restricted Electives
   - None
Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
General electives as required to earn 120 credit hours.

Freshman Year - Fall
15 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring
15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

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

Sophomore Year - Spring
15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools II 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Junior Year - Fall
16 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
15 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3503 Consumer Behavior 3 hrs
MAR 3615 Marketing Analysis 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 2 hrs

Marketing: Marketing Management Track

Senior Year - Fall
16 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3613 Marketing Research 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring
13 hrs
MAN 4720 Strategic Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4832 Product Management 3 hrs
Marketing Elective 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Marketing: Professional Selling Track

Senior Year - Fall
16 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4415C Advanced Professional Selling 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 3613 Marketing Research 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring
13 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4413C Strategic Issues in Sales 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oest.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics (B.S.)

College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each course used to satisfy a requirement.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs

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Note: the following courses will not satisfy any Math degree requirements:

- MTG 4212 Modern Geometries 4 hrs
- MHF 4404 History of Mathematics 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
   - (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   - Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

   A: Communication Foundations (9 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required COP 3502C Computer Science I 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - Suggested POS 2041 American National Government 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required COP 3502C Computer Science I 3 hrs

   D: Social Foundations (6 hrs)
   - 1. Depending on concentration, select 3 hrs
   - Required COP 3502C Computer Science I 3 hrs
   - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - Suggested POS 2041 American National Government 3 hrs

   2. Select a listed course 3 hrs

   E: Science Foundations (8 hrs)
   - Check track requirements before selecting.
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Suggested BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutions of certain courses.

   - Select from the following: 4 hrs
   - CHM 2045C Chemistry Fundamentals I GEP
   - CHM 2040 Chemistry Fundamentals IA and GEP
   - CHM 2041 Chemistry Fundamentals IB and GEP
   - or BSC 2010C Biology I or GEP
   - or PHY 2048C Physics for Engineers & Scientists I GEP

3. Core Requirements: Basic Level (11 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

   Basic Core: Required, satisfies the CPP
   - COP 3502C Computer Science I and GEP/CPP
   - MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
   - MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
   - MAC 2313 Calculus with Analytic Geometry III and GEP/CPP
   - MAP 2302 Ordinary Differential Equations I GEP/CPP
   - MAS 3106 Linear Algebra 4 hrs
   - and depending on concentration, select either
   - - Can use for all Concentrations
     - MHF 3302 Logic and Proof in Mathematics 3 hrs
   - - or acceptable in Computational Concentration;
     - COT 3100C Introduction to Discrete Structures 3 hrs
   - Select one Science sequence 4 hrs
   - - Selection depends on the concentration selected
     - - Biology: 4 hrs

   - Required in Mathematical Biology Concentration
     - BSC 2010C Biology I and 4 hrs
     - BSC 2011C Biology II and 4 hrs

   - Chemistry: 4 hrs
     - - Satisfies the General, Economics, and Computational concentrations.
     - - Required in Mathematical Biology Concentration
     - - May substitute the two semester equivalent Chemistry courses for the first Chemistry course
     - CHM 2045C Chemistry Fundamentals I and 3 hrs
     - CHM 2046 Chemistry Fundamentals II and 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

   - Physics: 4 hrs
     - - Satisfies the General, Economics, and Computational concentrations.
     - - Required in Mathematical Biology and Engineering Physics Concentration
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II 4 hrs

4. Core Requirements: Advanced Level (7 hrs)
   - Select 1:
     - MAP 4384 Numerical Methods for Computational Sciences or 4 hrs
     - MAP 4113 Probability, Random Processes and Applications 4 hrs

5. Restricted Electives
   - Students must select one of the following five concentrations.

   A. General Concentration 18 hrs
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics
   - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212

   B. Applied Mathematics Concentration 22 hrs
   - Take all of the following: 9 hrs
     - MAA 4402 Introduction to Complex Variables and 3 hrs
     - MAP 4341 Introduction to Partial Differential Equations and 3 hrs
     - MAP 4303 Ordinary Differential Equations II 3 hrs
   - Select 1:
     - MAP 4384 Numerical Methods for Computational Sciences or 3 hrs
     - MAP 4113 Probability, Random Processes and Applications 4 hrs

   C. Pure Mathematics Concentration 21 hrs
   - Take all of the following: 12 hrs
     - MAA 4402 Introduction to Complex Variables and 3 hrs
     - MAP 4341 Introduction to Partial Differential Equations and 3 hrs
     - MAP 4303 Ordinary Differential Equations II 3 hrs
   - Select 1:
     - MAP 4133 Mathematical Modeling I or 3 hrs
     - MAP 4484 Mathematical Biology I 3 hrs
   - Select 2:
     - MAP 4384 Numerical Methods for Computational Sciences or 3 hrs
     - MAP 4113 Probability, Random Processes and Applications 4 hrs

   D. Mathematical Biology Concentration 22 hrs
   - Take all of the following: 12 hrs
     - MAP 4113 Probability, Random Processes and Applications 3 hrs
     - MAP 4384 Numerical Methods for Computational Sciences or 3 hrs
     - MAP 4113 Probability, Random Processes and Applications 4 hrs

   E. Mathematical Biology Concentration 22 hrs
   - Take all of the following: 12 hrs
     - MAA 4402 Introduction to Complex Variables and 3 hrs
     - MAP 4341 Introduction to Partial Differential Equations and 3 hrs
     - MAP 4303 Ordinary Differential Equations II 3 hrs
   - Select 1:
     - MAP 4133 Mathematical Modeling I or 3 hrs
     - MAP 4484 Mathematical Biology I 3 hrs
   - Select 2:
     - MAP 4384 Numerical Methods for Computational Sciences or 3 hrs
     - MAP 4113 Probability, Random Processes and Applications 4 hrs

   1 if MAP 4113 taken as part of the core
   2 if MAP 4384 taken as part of the core
Select 3: 9 hrs
- MAD 4203 Introduction to Combinatorics or 3 hrs
- MAD 4301 Introduction to Graph Theory or 3 hrs
- MAP 4303 Ordinary Differential Equations II or 3 hrs
- MAP 4341 Introduction to Partial Differential Equations or 3 hrs
- MAS 5145 Advanced Linear Algebra and Matrix Theory or 3 hrs
- MAA 5228 Analysis I or 3 hrs
- MTG 5256 Differential Geometry or 3 hrs
- MAP 4342 Partial Differential Equations II or 3 hrs

D. Mathematical Biology Concentration 33 hrs
Students are to have completed these courses 24 hrs in the GEP, CPP, or Core Requirements
- BSC 2010C Biology I and 4 hrs
- BSC 2011C Biology II and 4 hrs
- CHM 2045 Chemistry Fundamentals I and 4 hrs
- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II or 4 hrs

Take all of the following: 33 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- MAP 4484 Mathematical Biology I and 3 hrs
- STA 2023 Statistical Methods I and 3 hrs
- STA 4321 Statistical Theory I and 3 hrs
- STA 4322 Statistical Theory II and 3 hrs
- Any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics and 3 hrs
- Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 and 3 hrs
- Select from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs. 9 hrs

1 or the two semester equivalent

E. Mathematical Economics Concentration 36 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements
- ECO 2023 Principles of Macroeconomics 3 hrs

Take all of the following: 21 hrs
- ECO 2013 Principles of Macroeconomics and 3 hrs
- ECO 3101 Intermediate Microeconomics and 3 hrs
- ECO 3203 Intermediate Macroeconomics and 3 hrs
- ECO 3410 Mathematical Economics and 3 hrs
- ECO 4412 Econometrics and 3 hrs
- STA 2023 Statistical Methods I and 3 hrs
- STA 4321 Statistical Theory I and 3 hrs

Select 3: 9 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4504 Public Economics or 3 hrs
- ECO 4713 International Macroeconomics or 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- ECP 4403 Industrial Organization and Game Theory or 3 hrs
- STA 4322 Statistical Theory II or 3 hrs

Select 1: 3 hrs
1 MAP 4113 Probability, Random Processes and Applications or 4 hrs
2 MAP 4384 Numerical Methods for Computational Sciences or 4 hrs
- MAP 4171 Optimization or 3 hrs
- MAP 4303 Ordinary Differential Equations II or 3 hrs
- MAP 4341 Introduction to Partial Differential Equations or 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs

Select 1: 3 hrs
- MAA 4402 Introduction to Complex Variables or 3 hrs
- MAD 4203 Introduction to Combinatorics or 3 hrs
- MAD 4301 Introduction to Graph Theory or 3 hrs

F. Computational Concentration 39 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements
- COP 3502C Computer Science I or 3 hrs

Take all of the following: 18 hrs
- COP 3503C Computer Science II and 3 hrs
- MAP 4303 Ordinary Differential Equations II and 3 hrs
- MAP 4341 Introduction to Partial Differential Equations and 3 hrs
- STA 2023 Statistical Methods I and 3 hrs
- STA 4321 Statistical Theory I and 3 hrs
- STA 4322 Statistical Theory II and 3 hrs

Select 1: 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs
1 MAP 4384 Numerical Methods for Computational Sciences

Select from the following: 18 hrs
- COP 3402 Programming Languages I or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4768 Computer Architecture or 3 hrs

-Select 1: 3 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis or 3 hrs
- MAP 4171 Optimization or 3 hrs

-Select 1: 3 hrs
- MAA 4402 Introduction to Complex Variables or 3 hrs
- MAD 4203 Introduction to Combinatorics or 3 hrs
- MAD 4301 Introduction to Graph Theory or 3 hrs

1 Only if MAP 4113 taken as part of the core.

G. Engineering/Physics Concentration 42 hrs
Students are to have completed the following to satisfy the GEP, CPP, or Core Requirements
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2049C Physics for Engineers and Scientists II or 4 hrs

Take all of the following: 18 hrs
- EGN 3321 Engineering Analysis-Dynamics and 3 hrs
- MAA 4402 Introduction to Complex Variables and 3 hrs
- MAP 4103 Mathematical Modeling I and 3 hrs
- MAP 4153 Vector and Tensor Analysis or 3 hrs
- MAA 4402 Introduction to Combinatorics or 3 hrs
- MAA 4301 Introduction to Graph Theory or 3 hrs

Select 1: 3 hrs
- EGN 3420 Engineering Analysis or 3 hrs
- EGN 3420 Engineering Analysis or 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs
1 MAP 4384 Numerical Methods for Computational Sciences or 4 hrs
- PHZ 3151 Computer Methods in Physics or 3 hrs

Select 1: 3 hrs
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- MAA 3220 Mechanics I or 3 hrs

Select 1: 3 hrs
- EGN 3343 Thermodynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics or 3 hrs

Select at least 6 hrs: 6 hrs
- CES 4100C Structural Analysis I and Lab or 4 hrs
- EAS 3101 Fundamentals of Aerodynamics or 3 hrs
- EEL 3004C Electrical Networks or 3 hrs
- EGN 3601 Solid Mechanics or 3 hrs
- EGN 3331 Mechanics of Materials or 3 hrs
- EIN 2002 Introduction to Industrial Engineering and Management Systems or 1 hr
## UCF Degree Programs

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<tr>
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<tr>
<td>ESI 4312</td>
<td>Operations Research or</td>
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<td>PHY 4604</td>
<td>Wave Mechanics I or</td>
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<td>EAS 4105</td>
<td>Flight Mechanics or</td>
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<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures or</td>
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<td>Spacecraft Attitude Dynamics or</td>
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<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
<td>3</td>
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1 Only if MAP 113 taken as part of the core.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

### 8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the degree program.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

### Honors In Major
- None

### Related Programs
- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates
- Educational Studies

### Related Minors
- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

### Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test
- Prior to enrolling in Math, take Math Placement Test

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**UNIVERSITY OF CENTRAL FLORIDA**

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### Freshman Year - Fall
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **ENC 1101** Composition I 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Freshman Year - Spring
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **MHF 3302** Logic and Proof in Mathematics 3 hrs
- **ENC 1102** Composition II 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Sophomore Year - Fall
- **MAC 2313** Calculus with Analytic Geometry III 4 hrs
- **PHY 2046C** Physics for Engineers & Scientists I 4 hrs
- **GEP** 3 hrs
- **COP 3223C** Introduction to Programming with C 3 hrs

### Sophomore Year - Spring
- **MAP 2302** Ordinary Differential Equations I 3 hrs
- **MAS 3106** Linear Algebra 4 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **COP 3502C** Computer Science I 3 hrs

### Junior Year - Fall
- **MAA 4226** Advanced Calculus I 4 hrs

Select 1 of the following:
- **MAP 4384** Numerical Methods for Computational Sciences or 4 hrs
- **MAP 4113** Probability, Random Processes and Applications 4 hrs
- **MAP 4341** Introduction to Partial Differential Equations 3 hrs
- **GEP** 3 hrs

### Junior Year - Spring
- **MAA 4227** Advanced Calculus II 3 hrs
- **MAA 4402** Introduction to Complex Variables 3 hrs
- **MAP 4342** Partial Differential Equations II 3 hrs
- **MAP 4303** Ordinary Differential Equations II 3 hrs
- **Elective** 3 hrs

### Senior Year - Fall
- **MAD 4203** Introduction to Combinatorics 3 hrs
- **MAP 4153** Vector and Tensor Analysis 3 hrs
- **Elective** 3 hrs
- **Elective** 3 hrs
- **Elective** 3 hrs

### Senior Year - Spring
- **MAD 4301** Introduction to Graph Theory 3 hrs
- **MTG 4302** Introduction to Topology 3 hrs
- **Elective** 3 hrs
- **Elective** 3 hrs
- **Elective** 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

### Mathematics Education (B.S.)
**College of Education and Human Performance**
School of Teaching, Learning, and Leadership,
**Education Building, Room: 209**
[http://education.ucf.edu/mathed](http://education.ucf.edu/mathed)

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP)  (37 hrs)
- Students are advised to take the preferred courses.

**A: Communication Foundations**  (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**  (9 hrs)
- General Education Program elective from section B1 to meet Gordon Rule Requirement

**Select 1:**
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

**C: Mathematical Foundations**  (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations**  (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PST 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 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

#### 2. Common Program Prerequisites (CPP)  (17 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2085 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)
   - Education Track requires 6 semester hours
   - Lifelong Learning Track requires 9 semester hours
   - Students should consult advisor regarding course options.

Education Track 6 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- MAP 2302 Ordinary Differential Equations I 3 hrs

Lifelong Learning Track 9 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)
   - Education Track requires 60 semester hours
   - Lifelong Learning Track requires 57 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

Education Core Requirements
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track: 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs

Education Track Specialization Requirements 23 hrs
- A grade of "C-" (1.75) or better is required.
- Select preferred specialization courses with advisor approval.

Internship I Block 7 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Internship II 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Mathematics 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperiences/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- MAE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 36 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

Requirements
- MAS 3105 Matix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs
- MIF 3302 Logic and Proof in Mathematics 3 hrs
- MAC 4404 History of Mathematics 3 hrs
- MTG 4212 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604C Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703C Principles of Behavior Modification 4 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAN 4101 Human Relations in Management 3 hrs
- MAR 3023 Marketing 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- ECT 4164 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs
Plan of Study (120 hrs)

Freshman Year - Summer 10 hrs
MAE 4941 Internship 12 hrs

Freshman Year - Fall 15 hrs
EDF 2059 Introduction to the Teaching Profession 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
POS 2041 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs

Lifelong Learning Track 3 hrs
Choose Lifelong Learning Specialization course 3 hrs

Sophomore Year - Spring 16 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Education Track 10 hrs
MAS 3105 Matrix and Linear Algebra and 4 hrs
MAS 3203 Introduction to Number Theory and 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 7 hrs
MHS 2330 Career Planning and Choose Lifelong Learning Specialization course 3 hrs

Select 1: 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

Junior Year - Fall 13 hrs
EDF 2120 Introduction to Diversity for Educators 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Education Track 3 hrs
STA 4163 Statistical Methods II 3 hrs

Lifelong Learning Track 3 hrs
Red 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Education Track 3 hrs
STA 4163 Statistical Methods II 3 hrs

Lifelong Learning Track 3 hrs
Choose Lifelong Learning Specialization course 3 hrs

Senior Year - Spring 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track 10 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MHS 4404 History of Mathematics 3 hrs
MAE 3940 Internship 3 hrs

Lifelong Learning Track 10 hrs
Choose Lifelong Learning Specialization course 10 hrs

Senior Year - Fall 12 hrs
MAE 4941 Internship 12 hrs

Education Track 12 hrs
MAE 4941 Internship 12 hrs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Undergraduate Catalog 2015-2016
Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering I, Room: 381
http://www.mae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Mechanical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Mechanical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Mechanical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2033 Principles of Microeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

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

1 A "C" (2.0) or better is required in this course.
Select one of the following sequences of courses:
-Preferred course
CHS 1440 Principles of Chemistry 4 hrs

or- First alternative: Select all of the following: 6 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

or- Second alternative
CHM 2045C Chemistry Fundamentals I 4 hrs
3. Core Requirements: Basic Level (2 hrs)

**Required Courses: Basic** 2 hrs

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (63 hrs)

**Required Courses: Advanced** 36 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3334</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3217</td>
<td>Engineering Mechanics - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Design and Analysis of Machine Components</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 2 of the Following:** 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4143</td>
<td>Heat Transfer I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and Controls or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4504</td>
<td>Design &amp; Analysis of Machine Components II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1 of the Following:** 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4301C</td>
<td>Mechanical Systems Lab or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4306C</td>
<td>Energy Systems Lab</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives

**Approved Electives** 18 hrs

- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

7. Foreign Language Requirements Admissions

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

Graduation

None 8. Electives

None 9. Additional Requirements

None 10. Required Minors

None 11. Departmental Exit Requirements

None 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required** 128

Honors In Major

None Related Programs

- Aerospace Engineering

Certificates

None Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes

- Double Degree/Double Major requirements listed under the college section of the catalog.

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3990</td>
<td>Mechanical Career and Academic Faculty</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

Transfer Notes

- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses

None Plan of Study (128 hrs)

- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years.

All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

**Freshman Year - Fall** 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 1: 4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>Principles of Chemistry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2040A</td>
<td>Chemistry Fundamentals IA</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Must take CHM 2041 to complete the sequence

**Freshman Year - Spring** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>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>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Freshman Year - Summer** 10 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Fall** 13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Spring** 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3217</td>
<td>Engineering Mechanics - Dynamics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Sophomore Year - Summer 9 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
GEP 3 hrs
EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
EML 3500 Design and Analysis of Machine Components 3 hrs

Junior Year - Spring 15 hrs
EML 4142 Heat Transfer 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
GEP 3 hrs

Senior Year - Fall 15 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
EML 4501C Engineering Design I 3 hrs
EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Select 2 15 hrs
EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
EML 4143 Heat Transfer II or 3 hrs
EML 4313 Intermediate System Dynamics and Controls or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
EML 4504 Design & Analysis of Machine Components II 3 hrs

Senior Year - Spring 12 hrs
EML 4502C Engineering Design II 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Select 1 3 hrs
EML 4301C Mechanical Systems Lab or 3 hrs
EML 4306C Energy Systems Lab 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

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. Griffith Parks, Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.

- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program.
- Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP) (25 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Take all of the following: 8 hrs
CHM 2045C Chemistry Fundamentals I and GEP
CHM 2046 Chemistry Fundamentals II and GEP
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: 3 hrs
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I 2 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level
None

4. Core Requirements: Advanced Level (64 hrs)
MLS 3220C Techniques in Clinical Microscopy 3 hrs
MLS 4625 Advanced Clinical Chemistry I 3 hrs
MLS 4630 Advanced Clinical Chemistry II 3 hrs
PCB 3233 Immunology 3 hrs
MLS 4430C Clinical Parasitology 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4505C Immunodiagnostics 3 hrs
5. Restricted Electives

Advising Notes

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 126

Honors In Major

- None

Related Programs

- Biomedical Sciences
- Biology
- Chemistry

Certificates

- None

Related Minors

- Biomedical Sciences
- Biology
- Chemistry

Advising Notes

- None
UCF Degree Programs

Music (B.A.)
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu
Email: ucfmusic@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements
- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education Program for detailed information)
   - A: Communication Foundations (9 hrs)
     Required: ENC 1101 Composition I 3 hrs
     Required: ENC 1102 Composition II 3 hrs
     Preferred: SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     Required: MUS 1122 Music Theory and Musicianship I 3 hrs
     Select one course from B.1 list 3 hrs
     Select one course from B.1 or B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Math 3 hrs
     Suggested: MGF 1107 Explorations in Mathematics 3 hrs
     or
     Suggested: MGF 1106 Finite Mathematics or
     You may substitute a higher level math with appropriate scores on the Math Placement Exam
   - Statistics-Computers 3 hrs
     Select a course from GEP C.2 list 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVK 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensembles 4 hrs
- MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- MUS 3211 Music History and Literature I 3 hrs
- MUS 3212 Music History and Literature II 3 hrs

5. Restricted Electives (33 hrs)
   - Restricted Electives-Music 15 hrs
     - Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUT 4XXX 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.
   - Electives
     - Select primarily from upper-level courses

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs
- ENC 1102 Composition I 3 hrs
- MUT 1121 Music Theory and musicianship I 4 hrs
- MVK 1112 Class Piano II 4 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2042 Introduction to Music History and Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 1411 Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and musicianship II 4 hrs
- MVK 1112 Class Piano II 4 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- GEP D.2. Social Foundation 3 hrs

Sophomore Year - Fall 16 hrs
- MUT 2127 Music Theory and musicianship IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- GEP B.1. Cultural & Historical Foundation 3 hrs
- Foreign Language Elementary Level I 4 hrs

Sophomore Year - Spring 16 hrs
- MUT 2127 Music Theory and musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs
- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- GEP D.1. Social Foundation 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs
- GEP E.2. Science Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
- MUS 4900 Music BA Capstone Project 3 hrs
- GEP D.2. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu
Email: musicaud@ucf.edu
J. Rupert, JeffRupert@ucf.edu, 407-823-5411
Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students must take the Math Placement Exam during the first term and must pass with a minimum score of 3.0.
- Students who change degree programs and select this major must adopt the most current catalog.

1. UCF General Education Program (GEP) (36 hrs)
- (See General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Prefer SPC 1008 Fundamentals of Oral Communication

Take all of the following: 6 hrs
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUL 2016 Evolution of Jazz 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics 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.
UCF Degree Programs

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

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (24 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
   ■
   ■ MUS 2360C Introduction to Music History and Literature  3 hrs
   ■ MUS 1010 Music Forum  0 hrs
   ■ MUL 2016 Evolution of Jazz  GEP

   ■

   ■

1. Four semesters for total 4 hrs

3. Core Requirements: Basic Level  (6 hrs)
   ■
   ■
   ■ MUL 2014 Introduction to Music History and Literature  3 hrs
   ■ MUS 2360C Introduction to Music Technology  3 hrs
   ■
   ■
   ■
   ■

4. Core Requirements: Advanced Level  (54 hrs)
   ■
   ■
   ■ MUT 3170 Jazz Theory I  3 hrs
   ■ MUT 3171 Jazz Theory II  3 hrs
   ■
   ■
   ■
   ■

Select 1:  3 hrs
   ■
   ■
   ■
   ■

   ■

   ■

   ■

1. Four semesters for total 12 hrs

Specialty Requirements (Choose one):  27 hrs
   ■ All courses are taken for two semesters each except restricted elective courses

Trumpet
   ■ MVB 1411 Trumpet I  2 hrs
   ■ MVB 2421 Trumpet II  2 hrs
   ■ MVB 3431 Trumpet III  3 hrs
   ■ MVB 4441 Trumpet IV  4 hrs
   ■ Restricted Electives  5 hrs

Trombone
   ■ MVB 1413 Trombone I  2 hrs
   ■ MVB 2423 Trombone II  2 hrs
   ■ MVB 3433 Trombone III  3 hrs
   ■ MVB 4443 Trombone IV  4 hrs
   ■ Restricted Electives  5 hrs

Saxophone
   ■ MWV 1415 Saxophone I  2 hrs
   ■ MWV 2425 Saxophone II  2 hrs
   ■ MWV 3435 Saxophone III  3 hrs
   ■ MWV 4445 Saxophone IV  4 hrs
   ■ Restricted Electives  5 hrs

Jazz Piano
   ■ MVJ 1010 Jazz Piano I  2 hrs
   ■ MVJ 2220 Jazz Piano II  2 hrs
   ■ MVJ 3230 Jazz Piano III  3 hrs
   ■ MVJ 4240 Jazz Piano IV  4 hrs
   ■ MVK 1211 Secondary Piano  1 hr
   ■ Restricted Electives  3 hrs

Jazz Bass
   ■ MVJ 1214 Jazz Bass I  2 hrs
   ■ MVJ 2224 Jazz Bass II  2 hrs
   ■ MVJ 3234 Jazz Bass III  3 hrs
   ■ MVJ 4244 Jazz Bass IV  4 hrs
   ■ MVJ 1214 Secondary Bass  1 hr
   ■ Restricted Electives  3 hrs

Jazz Guitar
   ■ MVJ 1213 Jazz Guitar I  2 hrs
   ■ MVJ 2223 Jazz Guitar II  2 hrs
   ■ MVJ 3233 Jazz Guitar III  3 hrs
   ■ MVJ 4243 Jazz Guitar IV  4 hrs
   ■ MVJ 1216 Secondary Guitar  1 hr
   ■ Restricted Electives  3 hrs

Jazz Drum Set
   ■ MVJ 1219 Jazz Drum Set I  2 hrs
   ■ MVJ 2229 Jazz Drum Set II  2 hrs
   ■ MVJ 3339 Jazz Drum Set III  3 hrs
   ■ MVJ 4349 Jazz Drum Set IV  4 hrs
   ■ MVP 1211 Secondary Percussion  1 hr
   ■ Restricted Electives  3 hrs

5. Restricted Electives
   ■ Any secondary performance course not in area of major instrument or
   ■ Any MUC, MUE, MUG, MUL, MUM, MUN, MJO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements

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

Graduation
   ■ None

8. Electives
   ■ Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Earn a grade of “C” (2.0) or better in each Music course
   ■ Computer Competency met by the following course, or departmental examination:
     ■ MUS 2360C Introduction to Music Technology  3 hrs

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ None

Related Programs
   ■ Music Education
   ■ Music
   ■ Theatre

Certificates
   ■ None

Related Minors
   ■ Music
   ■ Theatre
   ■ Digital Media

Advising Notes
   ■ None

Transfer Notes
   ■ Lower division courses do not substitute for upper division courses.
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Plan of Study

- **Acceptable Substitutes for Transfer Courses**
  - None

- **Program A: Jazz Trumpet, Trombone, Saxophone**

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<tr>
<td>ENC 1101</td>
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<td>Class Piano I</td>
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### Program B: Jazz Piano, Guitar, Bass, Drum Set

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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- **Part-Time Student**: $45 per term
- **Full-Time Student**: $90 per term
Music - Music Composition Track (B.M.)

College of Arts and Humanities

Department of Music,
Performing Art Center - Music, Room: M203

http://music.cah.ucf.edu/

Email: musiccaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to
  http://music.cah.ucf.edu/admissionauditions.php to
  learn more about specific audition requirements and
  recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for
  accepted candidates

Professional Sequence Entrance Review

- Prospective composition students must audition for
  and be accepted for either the BA in Music, the BME
  degree or the Bachelor of Music in Performance or Jazz
  Studies for their first two years of study. Students will
  normally be considered for acceptance into the Bachelor
  of Music in Composition in the fourth semester of study at
  UCF. Students will be accepted based on the Professional
  Sequence Entrance Review. Students will be required to
  pass this evaluation before entering Level III Composition.

This review will include:

- Approval of composition portfolio
- Completion of Composition I and II
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUS 2127, Music Theory and
  Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music
  courses of at least 3.0.

- This review is a pre-requisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this
  major must adopt the most current catalog.

- At least 65 hours of credit must be earned in music
  courses.

- Departmental Residency Requirement; at least 30 hours
  must be taken from the UCF Music department.

- Composition students must present one faculty-
  approved public recital.

- Students should consult with a departmental advisor for
  course selection.

- Courses designated in 1 (General Education Program)
  are usually completed throughout four years of study.

- Students must complete a faculty-approved Senior BM
  web portfolio.

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 3 hrs

- Communication

B: Cultural & Historical Foundations (9 hrs)

- Required MUS 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

- Math 3 hrs
- Suggested MGF 1106 Finite Mathematics or
  3 hrs
- Suggested MGF 1107 Explorations in Mathematics or
  3 hrs

- You may substitute a higher level math with appropriate
  scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

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

3. Core Requirements: Basic Level (20 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II 3 hrs
MUC 4950 Composition Recital 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUC 3105C Composition III 3 hrs
MUC 4106C Composition IV 2 hrs
MUT 4401 Counterpoint 3 hrs
MUT 4311 Orchestration 3 hrs
MUC 4950 Composition Recital 0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above

2 Two semesters for total 6 hrs
2 Two semesters for total 6 hrs

5. Restricted Electives (9 hrs)

- Any secondary performance course not in area of major
  instrument, or
- Any MUC, MUE, MUG, MUH, 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,
  Wind Band, 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 2386C Introduction to Music Technology

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall (14 hrs)
- ENC 1101 Composition I
- MUT 1121 Music Theory and Musicianship I
- MVK 1111 Class Piano I
- MUL 2014 Introduction to Music History and Literature
- MUS 1010 Music Forum
- MUN XXXX Major Ensemble
- MVX 141X Performance I

Freshman Year - Spring (16 hrs)
- ENC 1102 Composition II
- MUT 1122 Music Theory and Musicianship II
- MVK 1112 Class Piano II
- MUS 2386C Introduction to Music Technology
- MUS 1010 Music Forum
- MVX 141X Performance I
- MUN XXXX Major Ensemble
- Science Foundation

Sophomore Year - Fall (15 hrs)
- SPC 1608 Fundamentals of Oral Communication
- MUT 2126 Music Theory and Musicianship III
- MVK 2121 Class Piano III
- MUC 1101C Composition I
- MUG 3104 Basic Conducting
- MUS 1010 Music Forum
- MUN XXXX Major Ensemble
- MVX 242X Performance II

Sophomore Year - Spring (16 hrs)
- MUT 2127 Music Theory and Musicianship IV
- MVK 2122 Class Piano IV
- MUC 2104C Composition II
- 1 MGF 1106 Finite Mathematics
- MUS 1010 Music Forum
- Cultural/Historical Foundation
- MUN XXXX Major Ensemble

Junior Year - Fall (16 hrs)
- MUH 3211 Music History and Literature I
- MUG 3105C Composition III
- MUS 1010 Music Forum
- MUX 3/4XXX Restricted Electives
- Cultural/Historical Foundation
- MUN XXXX Major Ensemble

Junior Year - Spring (16 hrs)
- 2 STA 1063C Basic Statistics Using Microsoft Excel
- MUH 3212 Music History and Literature II
- MUT 4311 Orchestration
- MUC 3105C Composition III
- MUS 1010 Music Forum
- MUN XXXX Major Ensemble
- MUX 3/4XXX Restricted Electives

Senior Year - Fall (13 hrs)
- MUC 4106C Composition IV
- MUS 1010 Music Forum
- Social Foundation
- Science Foundation
- MUX 3/4XXX Restricted Electives

Senior Year - Spring (13 hrs)
- MUT 4401 Counterpoint
- MUS 1010 Music Forum
- MUC 4950 Composition Recital
- Social Foundation
- MUX 3/4XXX Restricted Electives

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Performance Track (B.M.)

College of Arts and Humanities

Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/

Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Auction Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to:
  - http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

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- 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 Musicanship 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.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

1. UCF General Education Program (GEP)  (36 hrs)
- (See General Education program for detailed information)

A: Communication Foundations  (9 hrs)
  - Prefer SPC 1608  Fundamentals of Oral Communication 3 hrs

Take all of the following:
  - Required ENC 1101  Composition I and 3 hrs
  - Required ENC 1102  Composition II 3 hrs

B: Cultural & Historical Foundations  (9 hrs)
  - Required MUH 3212  Music History and Literature II 3 hrs
  - Select one course from B.1 list 3 hrs
  - Select one course from B.2 list 3 hrs

C: Mathematical Foundations  (6 hrs)
  - Suggested MGF 1106  Finite Mathematics or 3 hrs
  - Suggested MGF 1107  Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations  (6 hrs)

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 Musicanship I 4 hrs
  - MUT 1122  Music Theory and Musicanship II 4 hrs
  - MUT 2126  Music Theory and Musicanship III 4 hrs
  - MUT 2127  Music Theory and Musicanship IV 4 hrs
  - MVK 1111  Class Piano I 1 hr
  - MVK 1112  Class Piano II 1 hr
  - MVK 2121  Class Piano III 1 hr
  - MVK 2122  Class Piano IV 1 hr
  - MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
  - students take MUN 3453; guitar students take MUN 3484

MUS 141X Performance I (2 semesters) 4 hrs
MUS 242X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level  (6 hrs)
  - MUL 2014  Introduction to Music History and Literature 3 hrs
  - MUS 2360C  Introduction to Music Technology 3 hrs
  - MUS 1010  Music Forum 0 hrs

4. Core Requirements: Advanced Level  (24 hrs)
  - MUS 3953  Recital Performance I 0 hrs
  - MUS 4954  Recital Performance II 0 hrs
  - MUG 3104  Basic Conducting 2 hrs
  - MUS 3211  Music History and Literature I 3 hrs
  - MUS 3212  Music History and Literature II  GEP
  - MUS 343X Performance III (2 Semesters) 6 hrs
  - MUS 444X Performance IV (2 Semesters) 8 hrs
  - MUN XXXX Major Ensembles (Piano students take MUN 3484) 2 hrs
  - Guitar students take MUN 3484
  - Choose one MUT 3XXX or MUT 4XXX course 3 hrs

Specialty Requirements (Choose One):  (22 hrs)

Piano  (22 hrs)
  - MUL 3400  Piano Literature I and 2 hrs
  - MUL 3401  Piano Literature II and 2 hrs
  - MVK 4640  Piano Pedagogy I and 2 hrs
  - MUN 3453  Piano Ensemble and 1 hr
  - MUN 3453  Piano Ensemble and 1 hr
  - Restricted Electives and 9 hrs
  - Electives 5 hrs

Guitar  (22 hrs)
  - MUL 4437  Guitar Literature and Pedagogy and 3 hrs
  - MUN 3487  Guitar Ensemble and 1 hr
  - MUN 3487  Guitar Ensemble and 1 hr
  - Restricted Electives and 12 hrs
  - Electives 5 hrs

Voice  (22 hrs)
  - MUS 1250  IPA for Singers and 1 hr
  - MUS 3255  German and English Lyric Diction and 2 hrs
  - MUS 3254  Italian and French Lyric Diction and 2 hrs
  - MVV 4640  Voice Pedagogy and 2 hrs
  - MUL 3602  Song Literature and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 2 hrs
  - Foreign Language (French, German, or Italian) 8 hrs

Woodwinds  (22 hrs)
  - MUL 4444  Woodwind Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

Brass  (22 hrs)
  - MUL 4443  Brass Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

Percussion  (22 hrs)
  - MUL 3463  Percussion Literature and 2 hrs
  - MVP 3630  Percussion Pedagogy and 2 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 7 hrs
  - Electives 5 hrs

Strings  (22 hrs)
  - MUL 4437  String Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Restricted Electives and 8 hrs
  - Electives 5 hrs

5. Restricted Electives
- 0-15 hrs
- Any MUC, MUE, MUG, MUH, MUL, 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 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUN 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUN 1122 Music Theory and Musicianship II 4 hrs
- MVX 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUN 1111 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 1106 Fine Conducting 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring
- MUN 1122 Music Theory and Musicianship IV 4 hrs
- MVX 2212 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Interview

Junior Year - Fall
- MUH 3212 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

Junior Year - Spring
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- Professional Sequence Entrance Review

Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr

Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr

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## UCF Degree Programs

### Program B: Percussion

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| **Program C: Piano**

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**UNIVERSITY OF CENTRAL FLORIDA**

**Undergraduate Catalog 2015-2016**
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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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Music Education (B.M.E.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

Admission Requirements
Admission Requirements - Music Education

- Audition. To be accepted to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

Notes:

- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.

(3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)
- (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)
  Prefer SPC 1608 Fundamentals of Oral Communication 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 MUH 3312 Music History and Literature II 3 hrs
  Required AMH 2010 U.S. History: 1492-1877 3 hrs
  Required MUL 2720 Music of the World 3 hrs

C: Mathematical Foundations (6 hrs)
  Math 3 hrs
  Suggested MGF 1106 Finite Mathematics or 3 hrs
  Suggested MGF 1107 Explorations in Mathematics or 3 hrs
  You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)
  Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  Prefer PSY 2012 General Psychology 3 hrs

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

2. Common Program Prerequisites (CPP) (38 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)
  MUS 1010 Music Forum CPP
  MUT 1121 Music Theory and Musicianship I CPP
  MUT 1122 Music Theory and Musicianship II CPP
  MUT 2126 Music Theory and Musicianship III CPP
  MUT 2127 Music Theory and Musicianship IV CPP
  MVK 2122 Class Piano IV CPP
  MUL 2014 Introduction to Music History and Literature 3 hrs
  MUN XXXX Major Ensembles (2 semesters) 2 hrs
  MVX 141X Performance I (2 semesters) CPP
  MVX 242X Performance II (2 semesters) CPP

1 4 semesters

- 6 total hours of major ensemble (MUN XXXX) required; 4 hours are reflected in the CPP and 2 hours are reflected in the Core: Basic Level.
4. Core Requirements: Advanced Level (29 hrs)
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP
- MUE 3942 Music Internship I 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
- EDG 4410 Teaching Strategies and Classroom Management and
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives (26 hrs)
- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental
- MUE 2346 Vocal Techniques 1 hr
- MUG 3302 Instrumental Conducting and Materials 2 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs

Select 1: 3 hrs
- MUE 4337 Secondary Instrumental Methods II or
- MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 2440 String Techniques 1 hr

Program B - Choral
- MUS 1250 IPA for Singers 1 hr
- MUG 3202 Choral Conducting and Materials 2 hrs
- MVV 4640 Voice Pedagogy 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4335 Secondary Choral Methods II 3 hrs
- MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 2440 String Techniques 1 hr

Program C - Elementary School
- MUE 2346 Vocal Techniques 1 hr
- MUE 4333 Music and Students with Special Needs 2 hrs
- MUE 3333 General Music Literature and Techniques 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs
- MVX 3402 Choral or Instrumental Conducting and 2 hrs

Select 4: 4 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 2440 String Techniques 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses

- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.

- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) and Music Internship II (MUE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in a Secondary setting and half in a Secondary setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.

- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
UCF Degree Programs

- Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization), fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

Music Education Forums
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 134
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UNIVERSITY OF CENTRAL FLORIDA
275 Undergraduate Catalog 2015-2016
UCF Degree Programs

Nursing (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Alred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must also be completed by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- Selected applicants will be invited to a mandatory personal interview session
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.00) or better.
- May take Anatomy and Physiology sequence (AP I & II) of eight total credits
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab 4 hrs
  - General Chemistry (or other approved science) 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UNIVERSITY OF CENTRAL FLORIDA
### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog year, including any minors.**
- **Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.**
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.
- **UCF Residency Requirement: 30 hours**

#### 1. UCF General Education Program (GEP) (38 hrs)
- **Note:** Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. These courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

**A: Communication Foundations** (9 hrs)
- **Prefer** POS 2041 American National Government 3 hrs
- **Prefer** ECO 2023 Principles of Microeconomics or 3 hrs
- **Prefer** ECO 2013 Principles of Macroeconomics or 3 hrs
- **Required** STA 2014C Principles of Statistics or 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- **Prefer** MAC 1105C College Algebra 3 hrs
- **Prefer** MAC 1105 College Algebra 3 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 1115C 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
  - **Prefer** ECO 2013 Principles of Macroeconomics or 3 hrs
  - **Prefer** ECO 2023 Principles of Microeconomics or 3 hrs
  - **Prefer** POS 2041 American National Government 3 hrs

**2. Social Sciences** 3 hrs
- **Prefer** PSY 2012 General Psychology or 3 hrs
- **Prefer** SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations** (8 hrs)
- **1. Physical Sciences** 3 hrs
  - **Suggested** CHM 1032 General Chemistry 3 hrs

**2. Life Sciences** 4 hrs
- **Required** BSC 2010C Biology I 4 hrs

**2. Common Program Prerequisites (CPP) (21 hrs)**
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.**
- **Some of these courses have prerequisites that must be taken first.**
- **Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.**
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at www.nursing.ucf.edu.

- MCB 2004C Microbiology for Health Professionals 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs
- CHM 1032 General Chemistry GEP

### Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- SDW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

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### 3. Core Requirements: Basic Level
- **None**

### 4. Core Requirements: Advanced Level (62 hrs)
- **Any variation from the following must be approved in advance by the College of Nursing.**

- **NUR 3065L** Health Assessment Lab 1 hr
- **NUR 3028** Essentials of Nursing Practice 3 hrs
- **NUR 3755L** Essentials of Nursing Practice Clinical 2 hrs
- **NUR 3028L** Essentials of Nursing Practice Lab 1 hr
- **NUR 3616** Health Promotion Across the Lifespan 2 hrs
- **NUR 3616L** Health Promotion Across the Lifespan 1 hr
- **NUR 3125** Pathophysiology for Nursing Practice 3 hrs
- **NUR 3145** Pharmacology for Nursing Practice 3 hrs
- **NUR 3225** Nursing Care of the Adult I 3 hrs
- **NUR 3225L** Nursing Care of the Adult I: Clinical Practice 2 hrs
- **NUR 3837** Health Care Issues, Policy, and Economics 3 hrs
- **NUR 4227** Nursing Care of the Adult II 4 hrs
- **NUR 4227L** Nursing Care of the Adult II: Clinical Practice 3 hrs
- **NUR 4535** Psychiatric Mental Health Nursing 3 hrs
- **NUR 4535L** Psychiatric Mental Health Clinical 2 hrs
- **NUR 4257** Introduction to Critical Care Nursing 3 hrs
- **NUR 4945L** Nursing Practicum 4 hrs
- **NUR 4828** Nursing Leadership, Management and Role Transition 3 hrs
- **NUR 4637** Public and Community Health Nursing 3 hrs
- **NUR 4637L** Public Health Nursing Clinical 1 hr

### 5. Restricted Electives (3 hrs)
- **Nursing Electives**
  - One College of Nursing elective

### 6. Capstone Requirements
- **None**

### 7. Foreign Language Requirements

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

#### Graduation
- **None**

### 8. Electives
- **None**

### 9. Additional Requirements
- **Students pursuing a BS degree must meet the University foreign language admission requirements before admission.**
- **Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.**
- Students must:
  - Complete all courses in major with at least a “C” (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

### 10. Required Minors
- **None**
11. Departmental Exit Requirements

- All courses in major must be "C" (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

Honors Option Requires:

- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Psychology
- Health Sciences
- Health Services Administration

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for Common Program 
  - Prequisites are acceptable if taken prior to transferring to UCF:
    - CHM 1032: May substitute any college Chemistry course or approved Science course.
    - DEP 2004C: May substitute any Human Growth & Development across Life Span
    - HUN 3011: May substitute any Human Nutrition course
    - MCB 2004C: May substitute any General Microbiology course which has a lab.
    - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
    - PSY 2012: May substitute any General Psychology course.
    - STA 2014C: May substitute STA2023 or equivalent.
    - SYG 2000: May substitute any Introductory Sociology course.
    - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology or General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology or General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 General Education or SLS 1501
Nursing - Concurrent A.S.N. to B.S.N. enrollment

College of Nursing

UTWR - 3rd Floor

http://www.nursing.ucf.edu/

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Stephen Heglund, Concurrent Program Coordinator

Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements

- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Students must make separate application to UCF and the College of Nursing.
- Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to the Concurrent A.S.N. to B.S.N. application deadline. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening may be required for all Concurrent students prior to their registering for the final practicum course NUR 4694L.

At the time of application, students must have:

- A cumulative GPA of 3.0 or above.
- Completed application to a Florida College System institution ASN Nursing program and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education Program requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight Common Program Prerequisite courses for UCF and all of the ASN nursing program’s prerequisites by application deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
     - Required STA 2023 Statistical Methods I
   D: Social Foundations (6 hrs)
   - Select 1:
     - STA 2014C Principles of Statistics
     - STA 2023 Statistical Methods I
   E: Science Foundations (7 hrs)
     - Required BSC 2010C Biology I
     - Required CHM 1032 General Chemistry
   F: Other Prerequisites (18 hrs)
     - Applicants should see a UCF Nursing Advisor for possible course substitutions.
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites (CPP) (18 hrs)
   - Applicants should see a UCF Nursing Advisor for possible course substitutions.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (57 hrs)

   Core UCF Requirements (28 hrs)
   - NUR 3806 Professional Socialization Seminar 1 hr
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3065 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3616 Health Promotion Across the Lifespan 2 hrs
   - NUR 3165 Nursing Research 3 hrs
   - NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR 4637 Public and Community Health Nursing 3 hrs
   - NUR 4604L Practicum in Community and Public Health 4 hrs
   - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
UCF Degree Programs

Upper Division Credit 29 hrs

- May be met by validation
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3765L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 4 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)
   Any one upper division nursing elective 3 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to program start.
   Graduation
   - None

8. Electives
   - variable to meet degree requirements

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of “C” (2.0) or better
    - Overall Cumulative GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- See Nursing HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (31 hrs)
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Mary Lou Sole, Interim Dean
Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home, and http://www.nursing.ucf.edu.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN and, have either completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
  - Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
  - A minimum overall GPA of 2.8

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3165 Nursing Research.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3165 Nursing Research.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer: MAC 1105C College Algebra 3 hrs

Select 1: 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:
1 Required
SYG 2000 Introduction to Sociology or
PSY 2012 General Psychology
3 hrs
Select 1:
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.

E: Science Foundations (6 hrs)
Required
BSC 2010C Biology I 4 hrs
1 Required
CHM 1032 General Chemistry 3 hrs
1 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
1 PSY 2012 General Psychology or
1 SYG 2000 Introduction to Sociology or
4 hrs
1 Required
CHM 1032 General Chemistry GEP
4 hrs
1 MCB 2004C Microbiology for Health Professionals
4 hrs
2 CHM 1032 General Chemistry GEP
4 hrs
2 ZOO Human Anatomy
4 hrs
3733C
3 PCB 3703C Human Physiology
4 hrs
HUN 3011 Human Nutrition
3 hrs

Select 1:
1 STA 2014C Principles of Statistics or
GEP
1 STA 2023 Statistical Methods I
GEP

Select 1:
SOW 3104 Human Behavior and the Social Environment I or
3 hrs
DEP 2004C Developmental Psychology
3 hrs

1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 (or other approved Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 May take Anatomy and Physiology sequence (AP I & II) of eight total credits

3. Core Requirements: Basic Level
None

4. Core Requirements: Advanced Level (56 hrs)

UCF Core
NUR 3905 Dimensions of Professional Nursing Practice 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs

Upper Division Credit 29 hrs
Upper Division Credit may be met by Validation and RN License.
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)
Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3165.

Graduation
None

8. Electives
variable to meet degree requirements

9. Additional Requirements

Progression Requirements:
A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
Complete all courses in major with at least a “C” (2.0).
Maintain a UCF GPA of 2.5 or above.
Maintain a College of Nursing GPA of 2.5 or above.
Prior to NUR 3165 Nursing Research: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 4) complete foreign language admission requirement

Other:
Selected courses may be offered at regional campuses of Daytona, Cocoa, and Leesburg.
The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors
None

11. Departmental Exit Requirements
Completion of all courses in major with a grade of “C” (2.0) or better
Overall cumulative GPA of 2.5 or above
College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
Contact Program Coordinator or HIM Advisor

Related Programs
Health Services Administration
Social Work

Certificates
Aging Studies

Related Minors
Health Sciences
Health Information Management
Health Services Administration
Psychology
UCF Degree Programs

Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
NUR 3165 Nursing Research 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr

Junior Year - Summer
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Senior Year - Fall
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 4637 Public and Community Health Nursing 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: Philosophy2@ucf.edu
Dr. Don Jones, Don.Jones@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHP 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
  PHI 4931 Philosophy in the News or 3 hrs
  PHI 4321 Philosophes of Embodiment: Mind/Body or 3 hrs
  PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
  PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  PHI 4804 Critical Theory or 3 hrs
  PHP 3783 Modernity as a Philosophical Problem or 3 hrs
  PHI 3750 The Problem of Evil or 3 hrs
  PHI 3720 Faith and Reason or 3 hrs
  PHI 3803 Philosophy and Creativity or 3 hrs
  REL 3111 Religion and Philosophy Through Film or 3 hrs
  PHP 3786 Existentialism or 3 hrs
  HUM 4330 Performance Theory or 3 hrs
  PHI 4935 Topics in Philosophy of Mind or 3 hrs
  PHP 4933 Key Concepts in Philosophy or 3 hrs
  PHI 4931 Key Figures in Philosophy 3 hrs

5. Restricted Electives (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

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

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None
10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in PHI 4938: Senior Research Seminar
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following:
- PHI 4970H Undergraduate Honors Thesis or 1 hr
- PHI 4938 Senior Research Seminar or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  Core Requirements 36 hrs
  - Same requirements as for regular majors, but must include the following:
    PHI 2101 Formal Logic I 3 hrs
  Upper Division Restricted Electives 6 hrs
  - Same as requirement for regular majors
  Honors Thesis
    PHI 4903H Honors Directed Reading I 1 hr
    PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
  - Earn a “B” (3.0) or better in both of the following courses:
    PHI 4903H Honors Directed Reading I 1 hr
    PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Photography (B.S.)

College of Arts and Humanities

School of Visual Arts and Design

(This program is offered at UCF at the Daytona Beach Campus)

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

Career Outcomes

Career requirements are based on the National Association of Schools of Art and Design Accreditation of the School of Visual Arts and Design at UCF. Graduates with a Bachelor of Science in photography should have the following experiences in the following areas:

1. Proficiency in artistic and technical skills in photography
2. Critical thinking, problem-solving, and decision-making
3. Communication and collaboration
4. Understanding of the historical, cultural, and social contexts of photography
5. Professional and ethical responsibilities

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.

1. UCF General Education Program (GEP) (36 hrs)
   - Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:
   - A: Communication Foundations (9 hrs)
     1 Required ENC 1101 Composition I 3 hrs
     2 Required ENC 1102 Composition II 3 hrs
     3 SPC 2600 Speech (A.S.) 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     1 Required ARH 2051 History of Western Art II 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)
   - (Included in A.S. or B.S. requirements.)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (49 hrs)
   - Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework

4. Core Requirements: Advanced Level (33 hrs)
   - PGY 3751C Videography 3 hrs
   - PGY 3821C Advanced Digital Photography 3 hrs
   - PGY 4228C Advanced Illustrative Photography 3 hrs
   - PGY 4471 Photography Thesis 3 hrs
   - PGY 4351C Narrative Editorial Photography 3 hrs

Select one of the following courses:

- CRW 3011 Creative Writing for Non-Majors or ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
   - Select two of the following courses:
     - PGY 3451C Alternative Processes 3 hrs
     - PGY 3480 Museum and Gallery Practices 3 hrs
     - PGY 3703C Photography & the Web 3 hrs
     - PGY 4235C Professional Photographic Workshop 3 hrs
     - PGY 4493C Photography and Art 3 hrs
     - PGY 4941 Internship 3 hrs

6. Capstone Requirements
   - None
7. Foreign Language Requirements

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

Graduation

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 127

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- http://svad.cah.ucf.edu/bsphotography

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
Daytona State College - Photo Technology AS Degree Program

PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring
Daytona State College - Photo Technology AS Degree Program

PGY 3002 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Summer

GEP 3 hrs

PGY Restricted Elective 3 hrs

Senior Year - Fall
Daytona State College - Photo Technology AS Degree Program

PGY 3751C Videography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
Daytona State College - Photo Technology AS Degree Program

PGY 3276 The Professional Environment 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY Restricted Elective 3 hrs

Junior Year - Summer

ENC 3250 Professional Writing 3 hrs

Junior Year - Fall
Daytona State College - Photo Technology AS Degree Program

PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
Daytona State College - Photo Technology AS Degree Program

PGY 3002 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Senior Year - Fall
Daytona State College - Photo Technology AS Degree Program

PGY 3751C Videography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
Daytona State College - Photo Technology AS Degree Program

PGY 3276 The Professional Environment 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY Restricted Elective 3 hrs
PGY Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Photonic Science and Engineering (B.S.P.S.E.)
College of Optics and Photonics
CREOL, Room: 108B
Phone: 407-823-6800

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF’s internationally recognized strengths in the field of optics and lasers, and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, together with the photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
UCF Degree Programs

- Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

- Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:

- Suggested SPC 1608 Fundamentals of Oral Communication or Fundamentals of Technical Presentations 3 hrs
- Suggested SPC 1608C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations

- Select a course from Historical Foundations 3 hrs
- Select a course from Cultural Foundations 3 hrs
- Select a course from either Historical or Cultural Foundations 3 hrs

C: Mathematical Foundations

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations

- Select 1:

- Suggested ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

- Select one class from Social Foundations 3 hrs

E: Science Foundations

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

- Choose one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida postsecondary schools and may be transferred directly to UCF programs.

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

Select 1:

- 1 CHS 1440 Principles of Chemistry or 4 hrs
- 1 CHM 2045C Chemistry Fundamentals I 4 hrs

- A "C" (2.0) or better is required in these courses to enroll in PSE major courses.

3. Core Requirements: Basic Level (14 hrs)

Engineering Requirements

- EGE 3040C Electrical Networks 3 hrs
- EGE 3470 Electromagnetic Fields 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3032 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

Photronics Requirements

- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4930 Frontiers of Optics and Photonics 2 hrs

5. Restricted Electives (9 hrs)

- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)

- OSE 4951 Senior Design I 3 hrs
- OSE 4952 Senior Design II 3 hrs

7. Foreign Language Requirements Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

10. Required Minors

- None
Sophomore Year - Summer  
- EEL 3123C Networks and Systems  4 hrs  
- EEE 3350 Semiconductor Devices I  3 hrs  
- STA 3032 Probability and Statistics for Engineers  3 hrs  

Junior Year - Fall  
- OSE 3052 Introduction to Photonics  3 hrs  
- OSE 3052L Introduction to Photonics Laboratory  1 hr  
- EEE 3307C Electronics I  4 hrs  
- EEL 3470 Electromagnetic Fields  3 hrs  

Select 1:  
- EGN 3321 Engineering Analysis-Dynamics  3 hrs  
- EGN 3358 Thermo-Fluids-Heat Transfer  3 hrs  

Junior Year - Spring  
- OSE 4410 Optoelectronics  3 hrs  
- OSE 4410L Optoelectronics Laboratory  1 hr  
- OSE 4520 Laser Engineering  3 hrs  
- OSE 4520L Laser Engineering Laboratory  1 hr  
- OSE 3963 Electromagnetic Waves for Photonics  3 hrs  
- Social Foundation  3 hrs  

Senior Year - Fall  
- OSE 4470 Fiber-Optic Communications  3 hrs  
- OSE 4470L Fiber-Optic Communications Laboratory  1 hr  
- OSE 4951 Senior Design I  3 hrs  
- OSE 4930 Frontiers of Optics and Photonics  2 hrs  
- Restricted Elective  3 hrs  
- Restricted Elective  3 hrs  

Senior Year - Spring  
- OSE 4952 Senior Design II  3 hrs  
- OSE 4830 Imaging and Display  3 hrs  
- OSE 4830L Imaging and Display Laboratory  1 hr  
- Restricted Elective  3 hrs  
- Historical Foundation  3 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oeas.ucf.edu/academiclearningcompacts.html  

Physics (B.S.)  
College of Sciences  
Department of Physics, Physical Sciences, Room: 430  
http://www.physics.ucf.edu  
Email: physics@ucf.edu  
Dr. Talat Rahman  
Phone: 407-823-2325  

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements, Advanced. While the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements  
- None  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.  
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.  
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.  
- All prerequisites of courses taught within the College of Sciences will be enforced.
UCF Degree Programs

- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major.

These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

Core: Required, satisfies the CPP

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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 1603C Fundamentals of Technical Presentations

Take all of the following: (6 hrs)

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II and 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I and 4 hrs
- Required COP 3502C Computer Science I and 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

1. Physical Science: (4 hrs)

- Required PHY 2048C Physics for Engineers & Scientists I and 4 hrs

2. Life sciences: (3 hrs)

- Select from the E.Z. GEP list. 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

MAC 2311C Calculus with Analytic Geometry I and GEP
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
MAC 2313 Calculus with Analytic Geometry III and 4 hrs

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I and 4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB and 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
PHY 2048C Physics for Engineers & Scientists I and GEP
PHY 2049C Physics for Engineers and Scientists II and 4 hrs

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

- or

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040 Chemistry Fundamentals IA and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041 Chemistry Fundamentals IB and</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- and

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I and</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II and</td>
<td>CPP</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III and</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I and</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II and</td>
<td>CPP</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level

- Select one specialization

4.1. General Physics Specialization (18 hrs)

- Required PHY 2048C Physics for Engineers & Scientists I and GEP
- Required PHY 2049C Physics for Engineers II and 4 hrs

- Restricted Electives: (6 hrs)

Select courses at a 3000 level or higher, approved by the Physics Department.

4.2. Materials Physics Specialization (18 hrs)

- Select 1 (PHY 4803L Advanced Physics Laboratory or EEE 5356C Fabrication of Solid-State Devices)
- Select 3 (EEE 3350 Semiconductor Devices I or EGN 3365 Structure and Properties of Materials or EMA 4413 Fundamentals of Electronic Materials or CHM 3411L Physical Chemistry Laboratory or PHZ 5405 Condensed Matter Physics or EEE 5352C Semiconductor Material and Device Characterization)

- Directed Electives: (6 hrs)

Select courses at a 3000 level or higher, approved by the Physics Department.

4.3. Optics and Lasers Specialization (18 hrs)

- Select 2 (EEL 4440 Optical Engineering or PHY 4445 Lasers or OSE 5203 Geometrical Optics and Imaging Systems or OSE 5312 Light Matter Interaction or OSE 5414 Fundamentals of Optoelectronic Devices)

- Directed Electives: (9 hrs)

Select courses at a 3000 level or higher, approved by the Physics Department.

4.4. Computational Physics Specialization (19 hrs)

- Required PHY 3101 Computer Methods in Physics
- Required PHY 3113 Introduction to Theoretical Methods of Physics
- Required PHYS 3220 Mechanics I
- Required PHY 3513 Thermal and Statistical Physics
- Required PHY 3323 Electricity and Magnetism I
- Required PHY 4324 Electricity and Magnetism II
- Required PHY 4604 Wave Mechanics I
- Required PHY 4605 Wave Mechanics II
- Required PHY 4912 Directed Independent Research (in area of specialization)

Laboratory Requirement: (6 hrs)

- PHY 3802L Intermediate Physics Laboratory and 3 hrs

And either

- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics or 3 hrs

Undergraduate Catalog 2015-2016
### 4.5. Astronomy Specialization

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002 Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- **Select one** 3 hrs
  - AST 4700 Experimental Methods in Astronomy or 3 hrs
  - AST 4762C Astronomical Data Analysis or 3 hrs
  - AST 5765C Advanced Astronomical Data Analysis or 3 hrs

- **and** 6 hrs
  - Select from upper division AST courses

#### Directed Electives: 6 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- Students must have at least a 2.0 GPA in all courses counted toward the major.
- Students will be required to take a nationally normed test in Physics during their last semester.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required

- 120

### Honors In Major

- None

#### Related Programs

- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

#### Certificates

- None

#### Related Minors

- Mathematics
- Physics
- Astronomy

### Advising Notes

- None

#### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

#### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://metrics.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://ucf.sdes.ucf.edu/math/
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Note: Lab may be taken later if seats are not available</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</tbody>
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#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049C Physics for Engineers &amp; Scientists II</td>
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</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 3522C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113 Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>GEP</td>
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#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3802L Intermediate Physics Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323 Electricity and Magnetism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513 Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3220 Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324 Electricity and Magnetism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4504 Wave Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4912 Independent Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4605 Wave Mechanics II</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Physics (B.A.)

College of Sciences

Department of Physics, Physical Sciences, Room: 430

http://www.physics.ucf.edu

Email: physics@ucf.edu

Dr. Talat Rahman, Chair
Dr. Elena Flitsiyan
Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first sixty hours.
- AA transfer students are expected to have completed the following courses prior to enrollment in 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.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C, 2046, 2046L, MAC 2311C, MAC 2312, PHY 2048C, 2049C</td>
<td></td>
</tr>
<tr>
<td>PHY 3101, 3220, 3513, 3323, 4604, 3113, 4012, 2048C</td>
<td></td>
</tr>
<tr>
<td>ECO 2023, PSY 2012</td>
<td></td>
</tr>
</tbody>
</table>

Guided Electives:

- PHY 2048C, 2049C, MAC 2311C, 2312, 2313, 24048, 24049, 3513, 3323, 4604, 3113, 4012, 2048C
- PHY 3101, 3220, 3513, 3323, 4604, 3113, 4012, 2048C
- ECO 2023, PSY 2012
- PHI 2010, ECO 2023, PSY 2012

3. Core Requirements: Basic Level (24 hrs)

- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following:
- Core: Required, satisfies the CPP
  - CHM 2045C, 2046, 2046L, MAC 2311C, MAC 2312, PHY 2048C, 2049C
  - PHY 3101, 3220, 3513, 3323, 4604, 3113, 4012, 2048C
- MAC 2311C, 2312, 2313, 24048, 24049, 3513, 3323, 4604, 3113, 4012, 2048C
- PHY 3101, 3220, 3513, 3323, 4604, 3113, 4012, 2048C
- ECO 2023, PSY 2012
- PHI 2010, ECO 2023, PSY 2012

- Core: Additional requirements
  - PHY 3101, 3220, 3513, 3323, 4604, 3113, 4012, 2048C
  - MAC 2311C, 2312, 2313, 24048, 24049, 3513, 3323, 4604, 3113, 4012, 2048C
  - PHYS 3113, Introduction to Theoretical Methods of Physics
  - MAP 3202, Ordinary Differential Equations I

- Laboratory Requirements
  - PHY 3802L, Intermediate Physics Laboratory

4. Core Requirements: Advanced Level

- Select one specialization

4.1 Education

- Students in this specialization must declare and be admitted to the Science Education Minor.

Required Courses:

- PHY 4012, Teaching Introductory Physics

Note: Certain courses must be selected in the GEP for outcomes for undergraduate programs located at:
http://www.oead.ucf.edu/academiclearningcompacts.html

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oead.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

UCF Degree Programs
4.4 Information Technology / Data Science
Pre-meds are advised to take:
- Directed electives: 9 hrs
  - Select 9 credits from upper division PHY, PHZ, or AST courses.
  - The elective courses will be selected with advisor approval.

Restricted electives: 9 hrs
- The courses will be selected with advisor approval.

4.2 Nanoscale Science and Technology
Required:
- 
- Directed electives: 15 hrs
  - Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
    - The elective courses will be selected with advisor approval.
- Restricted electives: 9 hrs
  - Selected from upper division physics, mathematics, chemistry, computer science or engineering courses.

Directed electives: 15 hrs
- The elective courses will be selected with advisor approval.
- Directed electives: 6 hrs
  - Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
- Restricted electives: 9 hrs
  - Selected from upper division physics, mathematics, chemistry, computer science or engineering courses.

4.1 Biophysics
Required:
- 
- Directed electives: 12 hrs
  - The elective courses will be selected with advisor approval.
- Restricted electives: 9 hrs
  - Selected from upper division biology or chemistry courses.

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

4.3 Biophysics
Required:
- 
- Directed electives: 18 hrs
  - The elective courses will be selected with advisor approval.
- Restricted electives: 9 hrs
  - Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Pre-meds are advised to take:
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3703C Human Physiology 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs

4.4 Information Technology / Data Science
Required:
- 
- Directed electives: 18 hrs
  - The elective courses will be selected with advisor approval.
- Select 1:
  - CO 3100C Introduction to Discrete Structures or 3 hrs
  - MAD 2104 Foundations of Discrete Math 3 hrs

Restricted electives:
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

4.5 Technical Writing
Required:
- 
- Directed electives: 6 hrs
  - Select 6 credits from upper division writing or communication courses.
- Restricted electives: 9 hrs
  - Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
Junior Year - Spring

15 hrs

PHY 3220 Mechanics I 3 hrs
Restricted Elective 3 hrs
Directed Elective 3 hrs
Directed Elective 3 hrs
GEP 3 hrs

Senior Year - Fall

13 hrs

PHY 4604 Wave Mechanics I 3 hrs
Restricted Elective 3 hrs
Directed Elective 3 hrs
Directed Elective 3 hrs
Free Elective 1 hr

Senior Year - Spring

15 hrs

Restricted Elective 3 hrs
Directed Elective 3 hrs
GEP 3 hrs
Free Elective 3 hrs
Directed Elective 3 hrs

Physics Test - Nationally Normed

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcomapcts.html

Political Science (B.A.)

College of Sciences

Department of Political Science, Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog
Co-op or internship credit cannot be used in this major without prior departmental approval
Students should consult with a departmental advisor
Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
All prerequisites of courses taught within the College of Sciences will be enforced.
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
   POS 2041 American National Government 3 hrs
   POS 3703 Scope and Methods of Political Science 3 hrs

2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
   POS 2041 American National Government 3 hrs

3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)
- Required: ENC 1101 Composition I 3 hrs
- Prefer: ENC 1102 Composition II 3 hrs
- Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- For Track 1 (American Politics) students:
  - Prefer: AMH 2010 U.S. History: 1492-1877 3 hrs
- For Track 2 (Int'l & Comp) students:
  - Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

C: Mathematical Foundations (6 hrs)
- 1. Math 3 hrs
  - Prefer: MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
- 2. Statistics 3 hrs
  - Prefer: STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel or
  - May substitute a higher level Statistics course.

D: Social Foundations (6 hrs)
- Required: POS 2041 American National Government 3 hrs
  - Select from GEP D.2 list 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.

E: Science Foundations (6 hrs)
- Select two courses from Area B 6 hrs

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  - POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  - POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (30 hrs)
- Choose one of the following tracks.

Track 1: American Politics and Policy
- Five courses from Area A 15 hrs
- Two courses from Area B 6 hrs
- Two courses from Area C 6 hrs
- One additional course from any Area 3 hrs

Track 2: International Relations-Comparative Politics
- No more than one of the following courses may be considered part of area B credit:
  - INR 4351 International Environmental Law or INR 4401 International Law or INR 4404 Space Law 3 hrs
  - Two courses from Area A 6 hrs
  - Five courses from Area B 15 hrs
  - Two courses from Area C 6 hrs
  - One additional course from any Area 3 hrs

Track 3: Prelaw
- Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area
- POS 3076 American Indian Politics or POS 3122 State Government and Public Policy or POS 3173 Southern Politics or POS 3182 Florida Politics or POS 3233 Public Opinion or POS 3234 Protest in American Politics or POS 3235 Mass Media and Politics or POS 3258 Politics in Film or POS 3273 Voting and Elections or POS 3413 The American Presidency or POS 3424 Congress and the Legislative Process or POS 3443 Political Parties and Processes or POS 3463 Interest Groups or POS 3627 Cultural Pluralism and Law or POS 3733 Designing Political Science Research or POS 4030 The Politics of Sports or POS 4074 Latino Politics or POS 4142 Metropolitan Politics or POS 4284 Political Behavior or POS 4286 Judicial Process and Politics or POS 4412 Presidential Campaigning or POS 4603 American Constitutional Law I or POS 4604 American Constitutional Law II or POS 4622 Politics and Civil Rights or PUP 3203 Environmental Politics or PUP 3314 Minorities in American Politics or PUP 3325 Women and Political Behavior or PUP 4003 American Public Policy or PUP 4024 Sustainability or PUP 4209 Urban Environmental Policy or PUP 4323 Women and Public Policy or PUP 4404 Education and Politics or PUP 4503 Government and Science or PUP 4510 Space Policy or PUP 4602 Politics of Health or PUP 4744 Government and Business or PUP 4931 Topics in Public Policy or PUP 4980 Civic Engagement or PUP 4244 Political Socialization

B. International Relations and Comparative Government Area
- CPO 3034 Politics of Developing Areas or CPO 3057 Contemporary Revolution and Political Violence or CPO 3103 Comparative Politics or CPO 3104 Politics of Western Europe or CPO 3132 Canadian Studies or CPO 3403 Politics of the Middle East or CPO 3614 Politics of Eastern Europe or CPO 4062 Comparative Judicial Process or CPO 4074 Political Economy or CPO 4101 Politics of the European Union or CPO 4123 Government and Politics of Great Britain or CPO 4303 Comparative Latin American Politics or CPO 4445 Comparative Political Parties or CPO 4514 Politics of East Asia or CPO 4541 Chinese Politics or CPO 4553 Politics of Japan or CPO 4643 Government and Politics of Russia or CPO 4710 Women in Comparative Politics or CPO 4754 Comparative Political Institutions or CPO 4784 Political and Economic Inequality in Comparative Perspectives or CPO 4794 Indigenous Politics and the Environment or GED 3471 World Political Geography or INR 4008 Global Perspectives or INR 2002 International Relations-Theory and Practice or INR 3016 Global Political Issues or INR 3250 Politics of Pan-Africanism or INR 3253 International Politics of Africa or INR 4011 Politics of Globalization or INR 4030 Diplomacy or INR 4035 International Political Economy or INR 4054 Global Politics of Energy or INR 4060 Causes of War or
UCF Degree Programs

10. Required Minors

- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4084 Politics of International Terrorism or 3 hrs
- INR 4085 Women, Gender, and Globalization or 3 hrs
- INR 4102 American Foreign Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 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 4234 International Politics of Latin America or 3 hrs
- INR 4304 Issues in International Public Policy or 3 hrs
- INR 4305 Global Environmental Politics or 3 hrs
- INR 4308 International Environmental Law or 3 hrs
- INR 4308 The Intelligence Community or 3 hrs
- INR 4309 International Law or 3 hrs
- INR 4404 Space Law or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- INR 4744 Military in World Politics or 3 hrs
- INR 4746 Cyberwarfare Policy or 3 hrs
- INR 4774 Military Space Policy or 3 hrs
- POS 3014 Comparative Public Policy or 3 hrs
- POS 4510 Space Policy or 3 hrs

C. Political Theory Area 6 hrs

- INR 4002 International Relations Theory or 3 hrs
- POS 4206 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 4432 Religion and Politics or 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or a campaign headquarters.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Related Programs

- Economics
- History
- Diplomacy
- Related Minors
- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu/math
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>
Freshman Year - Spring 15 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
ENC 1102  Composition II  3 hrs
GEP 3 hrs
GEP 3 hrs
Sophomore Year - Fall 16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
GEP 3 hrs
Free Elective  3 hrs
Foreign Language  4 hrs
Sophomore Year - Spring 16 hrs
POS 3703  Scope and Methods of Political Science  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs
Foreign Language  4 hrs
GEP 3 hrs
Junior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Junior Year - Spring 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Senior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Senior Year - Spring 13 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
Free Elective  1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Political Science - Prelaw Track (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- All prerequisites of courses taught within the College of Sciences will be enforced.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses;
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Prefer ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- For students doing Option 1 3 hrs
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- For students doing Option 2: 6 hrs
  - Prefer EUH 2001 Western Civilization II or 3 hrs
  - Prefer WOH 2022 World Civilization II 3 hrs
  - Select two courses from B 2.

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
  - May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics: 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a higher level statistics course.

D: Social Foundations (6 hrs)
- Political Science 3 hrs
  - Required POS 2041 American National Government 3 hrs
- Social Science 3 hrs
  - Select one of the listed courses 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes for the following courses.
    - POS 2041 American National Government GEP
    - POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  - POS 2041 American National Government GEP/CPP
## UCF Degree Programs

### 4. Core Requirements: Advanced Level (3 hrs)
- **Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (27 hrs)

Select from the following courses:
- **3 hrs**
  - POS 4803 American Constitutional Law I or 3 hrs
  - POS 4604 American Constitutional Law II or 3 hrs
  - INR 4401 International Law

And, select one of the following options:

- **24 hrs**
  - 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

### Areas of Specialization

#### A. American Politics and Policy Area

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3122</td>
<td>State Government and Public Policy or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3173</td>
<td>Southern Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3162</td>
<td>Florida Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3283</td>
<td>Public Opinion or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3234</td>
<td>Protest in American Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3722</td>
<td>Civic Engagement or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3526</td>
<td>Mass Media and Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3528</td>
<td>Politics in Film or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3573</td>
<td>Voting and Elections or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3511</td>
<td>The American Presidency or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3424</td>
<td>Congress and the Legislative Process or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3443</td>
<td>Political Parties and Processes or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3463</td>
<td>Interest Groups or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3627</td>
<td>Cultural Pluralism and Law or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3733</td>
<td>Designing Political Science Research or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4030</td>
<td>The Politics of Sports or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4074</td>
<td>Latino Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4142</td>
<td>Metropolitan Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4204</td>
<td>Political Behavior or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4244</td>
<td>Political Socialization or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4412</td>
<td>Presidential Campaigning or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4403</td>
<td>American Constitutional Law I or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4604</td>
<td>American Constitutional Law II or</td>
<td>3</td>
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<tr>
<td>POS 4822</td>
<td>Politics and Civil Rights or</td>
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<tr>
<td>PUP 3203</td>
<td>Environmental Politics or</td>
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<tr>
<td>PUP 3314</td>
<td>Minorities in American Politics or</td>
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<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4030</td>
<td>American Public Policy or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3204</td>
<td>Sustainability or</td>
<td>3</td>
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<tr>
<td>PUP 4209</td>
<td>Urban Environmental Policy or</td>
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<tr>
<td>PUP 4323</td>
<td>Women and Public Policy or</td>
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<tr>
<td>PUP 4404</td>
<td>Education and Politics or</td>
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<tr>
<td>PUP 4503</td>
<td>Government and Science or</td>
<td>3</td>
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<tr>
<td>PUP 4510</td>
<td>Space Policy or</td>
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<tr>
<td>PUP 4602</td>
<td>Politics of Health or</td>
<td>3</td>
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<tr>
<td>PUP 4744</td>
<td>Government and Business or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4951</td>
<td>Topics in Public Policy</td>
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#### B. International Relations and Comparative Government Area

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3132</td>
<td>Canadian Studies or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3403</td>
<td>Politics of the Middle East or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy or</td>
<td>3</td>
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<tr>
<td>CPO 4101</td>
<td>Politics of the European Union or</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain or</td>
<td>3</td>
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<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics or</td>
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<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties or</td>
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<tr>
<td>CPO 4514</td>
<td>Politics of East Asia or</td>
<td>3</td>
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<tr>
<td>CPO 4541</td>
<td>Chinese Politics or</td>
<td>3</td>
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<tr>
<td>CPO 4553</td>
<td>Politics of Japan or</td>
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<tr>
<td>CPO 4643</td>
<td>Government and Politics of Russia or</td>
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#### C. Political Theory Area

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>INR 4603</td>
<td>International Relations Theory or</td>
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<tr>
<td>POS 4206</td>
<td>Political Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>POT 3204</td>
<td>American Political Thought or</td>
<td>3</td>
</tr>
<tr>
<td>POT 3302</td>
<td>Modern Political Ideologies or</td>
<td>3</td>
</tr>
<tr>
<td>POT 4003</td>
<td>Political Theory or</td>
<td>3</td>
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<tr>
<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Philosophy or</td>
<td>3</td>
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<tr>
<td>POT 4066</td>
<td>Contemporary Political Theory or</td>
<td>3</td>
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<tr>
<td>POT 4109</td>
<td>Politics and Literature or</td>
<td>3</td>
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<tr>
<td>POT 4305</td>
<td>The State, Society, and the Individual or</td>
<td>3</td>
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<td>POT 4314</td>
<td>Contemporary Democratic Theory or</td>
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<tr>
<td>POT 4331</td>
<td>Utopia/Dystopia or</td>
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<tr>
<td>POT 4345</td>
<td>Pan-Africanist Thought or</td>
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<tr>
<td>POT 4414</td>
<td>Maxist Political Theory or</td>
<td>3</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics or</td>
<td>3</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 after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - ACG 2021: Principles of Financial Accounting (3 hrs)
  - ACG 2071: Principles of Managerial Accounting (3 hrs)
  - BUL 3130: Legal and Ethical Environment of Business (3 hrs)
  - ENC 3241: Writing for the Technical Professional (3 hrs)
  - ENC 3250: Professional Writing (3 hrs)
  - LIN 4105: History of the English Language (3 hrs)
  - MTH 3302: Logic and Proof in Mathematics (3 hrs)
  - PHI 2101: Formal Logic I (3 hrs)
  - PLA 3108: Legal Research (3 hrs)
  - PLA 3155: Legal Writing (3 hrs)
  - POS 4941: Political Science Internship (3 hrs)

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.
- Complete the Educational Testing Service Field Exam in Political Science during the student's graduating semester.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors in Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

### Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

### Certificates
- Diplomacy

### Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall 15 hrs
- POS 2041: American National Government (3 hrs)
- AMH 2020: U.S. History: 1492-1877 (3 hrs)
- GEP-Math 3 hrs
- ENC 1101: Composition I (3 hrs)
- GEP 3 hrs

#### Freshman Year - Spring 15 hrs
- AMH 2020: U.S. History: 1877-Present (3 hrs)
- ENC 1102: Composition II (3 hrs)
- STA 2014C: Principles of Statistics (3 hrs)
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall 16 hrs
- Restricted Elective (3 hrs)
- Foreign Language (4 hrs)
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)
- GEP (3 hrs)

#### Sophomore Year - Spring 16 hrs
- POS 3703: Scope and Methods of Political Science (3 hrs)
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)
- Foreign Language (4 hrs)
- GEP (3 hrs)

#### Junior Year - Fall 15 hrs
- POS 4284: Judicial Process and Politics (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)

#### Junior Year - Spring 15 hrs
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)
- Supporting Elective (3 hrs)
- Supporting Elective (3 hrs)
- Supporting Elective (3 hrs)

#### Senior Year - Fall 15 hrs
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)
- Supporting Elective (3 hrs)
- Supporting Elective (3 hrs)
UCF Degree Programs

Senior Year - Spring 13 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oears.ucf.edu/academiclearningcompacts.html

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psychology.cos.ucf.edu
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250, 407-823-2219

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.
  A: Communication Foundations (9 hrs)
  B: Cultural & Historical Foundations (9 hrs)
  C: Mathematical Foundations (6 hrs)
  Math: 3 hrs
  You may substitute a higher level math with appropriate scores on the Math Placement Test.
  Prefer MAC 1105C College Algebra 3 hrs
  Statistics:
  Required STA 2023 Statistical Methods I or 3 hrs
  Required STA 2041C Principles of Statistics 3 hrs
  D: Social Foundations (6 hrs)
  Social Sciences: 3 hrs
  Required PSY 2012 General Psychology 3 hrs
  Political Science/Economics: 3 hrs
  Select one of the listed choices 3 hrs

E: Science Foundations (6 hrs)
  Biology: 3 hrs
  Select the advanced option if additional biology courses are planned.
  Required BSC 1005 Biological Principles or 3 hrs
  Required BSC 2010C Biology I 4 hrs
  Physical or Chemical: 3 hrs
  Select one of the listed choices 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See Transfer Notes for possible substitutes for the courses listed below.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  Psychology:
  PSY 2012 General Psychology GEP
  DEP 2004C Developmental Psychology 3 hrs
  Biology:
  Select the advanced course if additional biology courses are planned.
  BSC 1005 Biological Principles or 3 hrs
  BSC 2010C Biology I 3 hrs
  Statistics:
  STA 2014C Principles of Statistics or 3 hrs
  STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  Psychology:
  PSY 2012 General Psychology GEP
  Biology:
  BSC 1005 Biological Principles or 3 hrs
  BSC 2010C Biology I 3 hrs
  Statistics:
  STA 2014C Principles of Statistics or 3 hrs
  STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (18 hrs)
- PSY 2023 Psychology Cornerstone: Career Paths 2 hrs
  PSY 3204C Statistical Methods in Psychology 4 hrs
  PSY 3213C Research Methods in Psychology 5 hrs
  PSB 3002 Physiological Psychology 3 hrs
  PSY 4604 History and Systems of Psychology 3 hrs
  PSY 4049 Psychology Capstone 1 hr

5. Restricted Electives (33 hrs)
- A. Experimental: Select from the following: 6 hrs
  EXP 3404C Basic Learning Processes or 3 hrs
  EXP 3204C Perceptual or 4 hrs
  EXP 3604C Statistical Methods in Psychology 4 hrs
  PSB 4240C Neuropsychology or 4 hrs
  PSY 4215C Advanced Research Methods in Psychology or 4 hrs
  EXP 3640 Psychology of Language 3 hrs
- B. Personality/Social: Select from the following: 3 hrs
  PPE 3003 Personality Theory and Research or 3 hrs
  SOP 3004C Social Psychology 3 hrs
- C. Developmental: Select from the following: 3 hrs
  DEP 2004C Developmental Psychology or 3 hrs
  DEP 3202 Psychology of Exceptional Children or 3 hrs
  DEP 3464 Psychology of Aging 3 hrs
- D. Diversity: Select from the following: 3 hrs
  CLP 3184 Women’s Mental Health or 3 hrs
  SOP 3742 Psychology of Women or 3 hrs
  SOP 3723 Cross Cultural Psychology or 3 hrs
  SOP 3724 Psychology of Prejudice or 3 hrs
  SOP 3784 Psychology of Diversity 3 hrs
E. Applied: Select from the following:  3 hrs
  CLP 3302  Clinical Psychology or  3 hrs
  EXP 3250  Principles of Human Factors Psychology or  3 hrs
  INP 3004  Industrial/Organizational Psychology  3 hrs

F. Psychology Electives  9 hrs
  ▪ Select additional courses from those taught by the Psychology department
  ▪ NOTE: The following courses will NOT fulfill this requirement.
    INP 3141C  Advanced Applied Psychology or  1 hr
    INP 3951  Industrial/Organizational Field Work or  3 hrs
    PSY 3905  Directed Independent Study or  1 hr
    PSY 4906  Directed Independent Study or  1 hr
    PSY 4912  Directed Independent Research  1 hr

G. Math/Science Electives: Select from the following:  6 hrs
  ▪ Students must meet the course prerequisites for any course they select. See course listing for prerequisites
    ANT 3541  Biobehavioral Anthropology or  3 hrs
    ANT 3550C  Primatology or  3 hrs
    PSC 1121  Physical Science or  3 hrs
    PHY 2053C  College Physics I or  4 hrs
    CHM 1020  Concepts in Chemistry or  3 hrs
    COP 3223C  Introduction to Programming with C or  3 hrs
    COP 3502C  Computer Science I or  3 hrs
    COP 3503H  Honors Computer Science II or  3 hrs
    MAC 2233  Concepts of Calculus or  3 hrs
    MAC 2253  Applied Calculus or  3 hrs
    PCB 3703C  Human Physiology or  4 hrs
    STA 4104  Statistical Methods II or  3 hrs
    STA 4163  Statistical Methods III or  3 hrs
    STA 4164  Statistical Methods IV or  3 hrs
    BSC 1050  Biology and Environment or  3 hrs
    BSC 2011C  Biology II or  4 hrs
    PHY 2053C  College Physics I or  4 hrs
    PCB 3063  Genetics or  3 hrs
    ENV XXX  Any ENV prefix course or  3 hrs
    GEO XXX  Any GEO prefix course or  3 hrs
    MCB XXX  Any MCB prefix course or  3 hrs
    ZOO XXX  Any ZOO prefix course or  3 hrs

6. Capstone Requirements
   PSY 4049  Psychology Capstone  1 hr

7. Foreign Language Requirements
   Admissions
   ▪ Met by graduation requirement.
   Graduation
   ▪ Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
   8. Electives
   ▪ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   9. Additional Requirements
   ▪ None
   10. Required Minors
       ▪ None
   11. Departmental Exit Requirements
       ▪ Earn a grade of "C" (2.0) or better in each course used to satisfy the CPP, core requirements, restricted electives and science electives (sections 2-5).
       ▪ Maintain a minimum overall psychology GPA of 2.0.
   12. University Minimum Exit Requirements
       ▪ A 2.0 UCF GPA
       ▪ 60 semester hours earned after CLEP awarded
       ▪ 48 semester hours of upper division credit completed
       ▪ 30 of the last 39 hours of course work must be completed in residency at UCF.
       ▪ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
       ▪ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   ▪ 120
   Honors In Major
   Additional Requirements:  6 hrs
   ▪ The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
   ▪ Apply and be accepted into the program through the department.
   ▪ Fulfill University requirements for Honors in the Major.
   ▪ Earn an overall UCF GPA above 3.2.
   ▪ All grades in Psychology courses must be a "B" (3.0) or higher.
   ▪ Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
     PSY 3213C  Research Methods in Psychology  5 hrs
     PSY 4903H  Honors Directed Reading I  3 hrs
     PSY 4970H  Undergraduate Honors Thesis  3 hrs

Related Programs
   ▪ Sociology
   ▪ Anthropology
   ▪ Statistics
   ▪ Criminal Justice

Certificates
   ▪ Behavioral Forensics

Related Minors
   ▪ Psychology
   ▪ Sociology
   ▪ Anthropology
   ▪ Mathematics
   ▪ Statistics

Advising Notes
   ▪ Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

Transfer Notes
   ▪ Lower division courses do not substitute for upper division courses.
   ▪ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   ▪ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
     ▪ Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
     ▪ Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
     ▪ DEP 2004C; any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study
   ▪ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   ▪ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall  15 hrs
   PSY 2012  General Psychology  3 hrs
   ENC 1101  Composition I  3 hrs
   GEP-Math  3 hrs
   GEP  3 hrs
   GEP  3 hrs
   GEP  3 hrs
### UCF Degree Programs

#### Freshman Year - Spring
- Biology: 3 hrs
- Statistics: 3 hrs
- ENC 1102: Composition II: 3 hrs
- GEP: 3 hrs
- Psychology Cornerstone: 2 hrs

#### Sophomore Year - Fall
- DEP 2004C: Developmental Psychology: 3 hrs
- Restricted Elective: 3 hrs
- GEP: 3 hrs
- GEP: 3 hrs
- Foreign Language: 4 hrs

#### Senior Year - Fall
- Restricted Elective: 4 hrs
- Restricted Elective: 4 hrs
- Elective / Minor: 3 hrs

#### Junior Year - Fall
- PSB 3002: Physiological Psychology: 3 hrs
- PSY 3204C: Statistical Methods in Psychology: 4 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Elective / Minor: 3 hrs

#### Junior Year - Spring
- PSY 3213C: Research Methods in Psychology: 5 hrs
- Elective / Minor: 3 hrs
- Restricted Elective: 4 hrs
- Restricted Elective: 3 hrs

#### Senior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Psychology Capstone: 1 hr
- Elective / Minor: 3 hrs
- Elective / Minor: 3 hrs

#### Senior Year - Spring
- PSY 4604: History and Systems of Psychology: 3 hrs
- Elective / Minor: 3 hrs
- Restricted Elective: 3 hrs
- Elective / Minor: 3 hrs
- Elective / Minor: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/academiclearningcompacts.html](http://www.oaes.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

### Public Administration (B.A./B.S.)

#### College of Health and Public Affairs

#### School of Public Administration, Health and Public Affairs II, Room: 238

#### http://www.cohpa.ucf.edu/publicadmin/

- Dr. Michael Abels, michael.abels@ucf.edu
- Phone: 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented towards an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required: CGS 1060C Introduction to Computers: 3 hrs
   - D: Social Foundations (6 hrs)
     - Required: POS 2041 American National Government: 3 hrs
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (3 hrs)
     - See “Common Prerequisites” in the Transfer and Transition Services section
   - CGS 1060C: Introduction to Computers: 3 hrs
   - POS 2041: American National Government: GEP

### Select 1:
- ECO 2013: Principles of Macroeconomics or 3 hrs
- ECO 2023: Principles of Microeconomics: 3 hrs

### 3. Core Requirements: Basic Level
- None

4. **Core Requirements: Advanced Level** (24 hrs)
   All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.
   - PAD 3003: Public Administration in American Society: 3 hrs
   - PAD 3733: Professional Administrative Writing in the Public Sector: 3 hrs
   - PAD 4034: The Administration of Public Policy: 3 hrs
   - PAD 4104: Administrative Theory: 3 hrs
   - PAD 4204: Fiscal Management: 3 hrs
   - PAD 4414: Human Resource Administration: 3 hrs
   - PAD 4720: Survey Research in Public Administration: 3 hrs
   - PAD 4941: Public Administration Internship: 3 hrs

### 5. Restricted Electives (24 hrs)
- Required Minor or Certificate in the School of 18 hrs Public Administration
- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

### Supporting Upper-Division Electives
- Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.
Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration.

6. Capstone Requirements
- None

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II and III can also be used to fulfill this requirement.

8. Electives
- Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, and Terrorism Studies.

- The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

11. Departmental Exit Requirements
- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).
- Students must earn a 2.5 GPA in the major in order to graduate.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs
- Business Administration
- Criminal Justice

- Economics
- Health Services Administration
- Legal Studies
- Management
- Political Science
- Social Work

Certificates
- None

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- Entrepreneurship
- Environmental Studies
- Florida Studies
- Health Services Administration
- International and Global Studies
- Leadership Studies
- Legal Studies
- Political Science
- Terrorism Studies

Advising Notes
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

Transfer Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit. The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for the School of Public Administration programs include American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Public Administration 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
- This is one of numerous possible plans of study.
- Although all classes are listed as being taken during the academic year, you may take classes during the summer semester.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GES 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
## UCF Degree Programs

### Sophomore Year - Fall (15 hrs)
- STA 2014C: Principles of Statistics (3 hrs)
- ECO 2013: Principles of Macroeconomics (3 hrs)
- Free Elective (3 hrs)
- GEP Historical (3 hrs)
- GEP Science (3 hrs)

### Junior Year - Fall (15 hrs)
- PAD 3003: Public Administration in American Society (3 hrs)
- PAD 3733: Professional Administrative Writing in the Public Sector (3 hrs)
- Free Elective (3 hrs)
- GEP Historical (3 hrs)
- GEP Science (3 hrs)

### Junior Year - Spring (15 hrs)
- PAD 4104: Administrative Theory (3 hrs)
- PAD 4444: Human Resource Administration (3 hrs)
- PAD Required Minor Course (3 hrs)
- PAD Required Minor Course (3 hrs)
- Free Elective (3 hrs)

### Senior Year - Fall (15 hrs)
- PAD 4941: Public Administration Internship (3 hrs)
- PAD Required Minor Course (3 hrs)
- PAD Required Minor Course or Free Elective (3 hrs)
- Supporting Upper-Division Elective (3 hrs)
- Free Elective (3 hrs)

### Senior Year - Spring (15 hrs)
- PAD 4204: Fiscal Management (3 hrs)
- PAD Required Minor Course (3 hrs)
- Supporting Upper-Division 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/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### Radio - Television (B.A.)

#### College of Sciences

Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu/](http://communication.cos.ucf.edu/)

Email: radiotv@ucf.edu

Dr. Tim Brown, Area Coordinator, tmbrown@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

#### Admission Requirements
- The Radio-Television program is a limited access program that requires a separate application.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Maintain an overall minimum 2.25/4.0 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission; students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- For admission to the program, students must complete or be enrolled into and complete, RTV 3007 with at least a “C” (2.0) or better (in progress at the time of admission, students who do not earn a “C” (2.0) or better will be removed from the program).
- Meet a grammar proficiency standard (“B” (3.0) grades or better in the following courses or pass the grammar proficiency exam).
  - ENC 1101: Composition I (3 hrs)
  - ENC 1102: Composition II (3 hrs)

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

#### Degree Requirements
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” term only.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP) (36 hrs)**
   - **A: Communication Foundations (9 hrs)**
     - Required
       - ENC 1101: Composition I (3 hrs)
       - ENC 1102: Composition II (3 hrs)
   - **Select 1: (3 hrs)**
     - Required
       - SPC 1608: Fundamentals of Oral Communication or Fundamentals of Technical Presentations (3 hrs)
   - **B: Cultural & Historical Foundations (9 hrs)**
     - Prefer AMH 2010 U.S. History: 1492-1877 (3 hrs)
     - Select two courses from GEP B2 (6 hrs)
   - **C: Mathematical Foundations (6 hrs)**
     - Math: (3 hrs)

You may substitute a higher level math with appropriate scores on the Math Placement Test.
**Computer Science: Required**
- CGS 2100C Computer Fundamentals for Business 3 hrs

**D: Social Foundations**
- Select a listed course 3 hrs

**E: Science Foundations**
- Select from the following: (6 hrs)
  - E: Science Foundations
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 3420 Mass Media Research Methods 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs

**Select 1:**
- SPC 1603C Fundamentals of Technical Presentations GEP
- SPC 1608 Fundamentals of Oral Communication GEP

**Select 1:**
- CGS 2100C Computer Fundamentals for Business or
- CGS 2585C Desktop/Internet Publishing or
- CGS 3175 Internet Applications 3 hrs

**4. Core Requirements: Advanced Level** (3 hrs)
- These courses are only available to students who have been accepted into the major.
- Reminder: must earn at least a “C” (2.0) for all core requirements and restricted electives in the major.
- RTV 2100 Writing for the Electronic Media 3 hrs

**5. Restricted Electives**
- Specialization: Select one area and complete the credit hours required by that specialization.
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.

**A. Production** 18 hrs
- Select from the following: (18 hrs)
  - RTV 3556C Audio Production I or 3 hrs
  - RTV 3543C Studio Television Production or 4 hrs
  - RTV 3581C Lighting for Video or 3 hrs
  - RTV 3531C Single Camera Video Production and Editing or 4 hrs
  - RTV 3571C Advanced Video Post-Production or 3 hrs
  - RTV 3590C Production of Interactive Multimedia or 3 hrs
  - RTV 4557C Audio Production II or 3 hrs
  - RTV 4591C Webcasting I or 3 hrs
  - RTV 4592C Webcasting II or 3 hrs
  - RTV 4673C Television Directing or 3 hrs
  - RTV 4561C Radio Production and Programming or 3 hrs
  - RTV 4562C Internship or 1 hr
  - RTV 4941 Internship 1 hr

**B. Broadcast Generalist** 18 hrs
- Select from the following: (12 hrs)
  - ADV 4103 Radio-Television Advertising or 3 hrs
  - JOU 3015 Principles of Journalism or 3 hrs
  - COM 3330 Computer Mediated Communication or 3 hrs
  - MMC 4263 New Media Technologies or 3 hrs
  - RTV 3601C Broadcast Announcing and Performance or 3 hrs
  - RTV 3580C Production of Interactive Multimedia or 3 hrs
  - RTV 4561C Radio Production and Programming or 3 hrs
  - RTV 4700 Regulation of Broadcasting or 3 hrs
  - RTV 4800 Broadcast Management or 3 hrs
  - RTV 4941 Internship 1 hr

**Select from the following:** (6 hrs)
- ADV 3008 Principles of Advertising or 3 hrs
- COM 3110 Business and Professional Communication or 3 hrs
- MMC 3630 Social Media as Mass Communication or 3 hrs
- PUR 4000 Public Relations or 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs

1. May be taken for a maximum of 3 hours.

**6. Capstone Requirements**
- None

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

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

**8. Electives**
- Select primarily from upper level courses, with school advisor’s approval. Must be outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

**9. Additional Requirements**
- None

**10. Required Minors**
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - English - Writing
  - Political Science
  - Sociology
  - Theatre

**11. Departmental Exit Requirements**
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Advertising-Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
UCF Degree Programs

- Film
- Journalism
- Theatre

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ³ CGS 2100C Computer Fundamentals for Business 3 hrs
- Foreign Language 4 hrs

³ See alternatives

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Sophomore Year - Spring 15 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-outside of NSC 3 hrs
- Elective-minor 3 hrs

Junior Year - Fall 15 hrs
- If admitted, take...
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 2100 Writing for the Electronic Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Elective-minor 3 hrs
- Elective-outside of NSC 3 hrs

Junior Year - Spring 15 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

Junior Year - Summer 3 hrs
- Restricted Elective-Internship 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs
- Elective-outside of NSC 3 hrs

Senior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective, or
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

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
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-3575

The study of real estate prepares students for careers in commercial & residential real estate development and sales. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students majoring in Real Estate must earn a grade of "C" (2.0) or better in the following course and each course applied towards the major:

FIN 3403 Business Finance 3 hrs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Required MAC 1105C College Algebra 3 hrs
   C: Mathematical Foundations (6 hrs)
   Required ECO 2013 Principles of Microeconomics
   or Required ECO 2023 Principles of Macroeconomics
   Select 1: (3 hrs)
   Suggested ANT 2000 General Anthropology
   Suggested PSY 2012 General Psychology
   Suggested SYG 2000 Introduction to Sociology
   D: Social Foundations (6 hrs)
   Required ECO 2013 Principles of Microeconomics
   Select 1: (3 hrs)
   Suggested ANT 2000 General Anthropology
   Suggested PSY 2012 General Psychology
   Suggested SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   Required ECO 2013 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 3 hrs
or
1. MAC 2233 Concepts of Calculus and
   STA 2023 Statistical Methods I 3 hrs
2. Or MAC 2311C and MAC 2312

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (37 hrs)
   Primary Core
   ACG 3173 Accounting for Decision-Makers 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   MAR 3023 Marketing 3 hrs
   Secondary Core
   GEB 3003 Career Research & Planning 1 hr
   GEB 3005 Career Search Strategy 1 hr
   BUL 3130 Legal and Ethical Environment of Business 3 hrs
   GEB 3375 Introduction to International Business 3 hrs
   MAR 3203 Supply Chain and Operations Management 3 hrs
   GEB 4223 Business Interviewing Techniques 1 hr
   GEB 4004 Executing Your Career Plan 1 hr

5. Restricted Electives (18 hrs)
   Select 5: (15 hrs)
   1. FIN 3414 Intermediate Corporate Finance 3 hrs
   2. FIN 3303 Financial Markets 3 hrs
   3. FIN 3504 Investment Analysis 3 hrs
   4. MAR 3391 Professional Selling 3 hrs
   5. REE 3614 Environmental Issues for Real Estate 3 hrs
   6. REE 4103 Real Estate Appraisal and Valuation 3 hrs
   7. REE 4203 Commercial Real Estate Finance 3 hrs
   8. REE 4204 Residential Real Estate Finance 3 hrs
   9. REE 4303 Real Estate Investment Analysis 3 hrs
   10. REE 4732 Real Estate Development 3 hrs
   11. REE 4941 Internship 1 hr
   12. REE 4903H Honors Directed Readings I 1 hr
   13. REE 4970H Undergraduate Honors Thesis 1 hr
   14. REE 4933 Advanced Topics in Real Estate 3 hrs

   1 Restricted to students who meet finance major admission qualifications.
   2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
   3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu for details.

6. Capstone Requirements (3 hrs)
   An approved Intent to Graduate must be on file in order to register for MAN 4720.
   MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
   Admissions
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.

Application: Application for admission to the Honors in the Major program must be approved by both the Director of the Honors College and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements 6 hrs
Required Honors Reading Course 3 hrs
REE 4903H Honors Directed Readings I 1 hr
Required Honors Thesis 3 hrs
REE 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- None

Certificates
- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

Religious Studies (B.A.)
Department of Religion

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25.00 per term
- Full-Time Student: $50.00 per term

Religion and Cultural Studies (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu
Phone: 407-929-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
Co-op or internship credit cannot be used in this major without prior approval by the chair.

Students must earn at least a “C” (2.0) in each required course.

Students should consult with a departmental advisor.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required HUM 2210 Humanistic Tradition I 3 hrs
   Required REL 2300 World Religions 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Required HUM 2230 Humanistic Tradition II 3 hrs
   Required REL 2300 World Religions 3 hrs
   C: Mathematical Foundations (6 hrs)
   Suggested MGF 1106 Finite Mathematics 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   Statistics-Computers 3 hrs
   Select a course from GEP C.2 list
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level (24 hrs)
   HUM 2210 Humanistic Tradition I GEP 3 hrs
   HUM 2230 Humanistic Tradition II GEP 3 hrs
   REL 2300 World Religions GEP 3 hrs
   REL 2000 Introduction to Religious Studies 3 hrs
   Required HUM 2210 Humanistic Tradition I 3 hrs
   Required REL 2300 World Religions 3 hrs
   Must select at least one in each category

Abrahamic Traditions 3 hrs
   JST 3401 Jewish People in Antiquity or 3 hrs
   REL 3403 Christianity or 3 hrs
   REL 3363 Islam or 3 hrs
   REL 3320 Moses, Jesus and Muhammad or 3 hrs
   REL 3432 Roots of Western Mysticism 3 hrs

Asian and Indigenous Traditions 3 hrs
   ANT 3245 Native American Religions or 3 hrs
   REL 3340 Buddhist Thought or 3 hrs
   REL 3333 Hinduism or 3 hrs
   REL 3123 Asian Religions in America 3 hrs

Theories and Methods 6 hrs
   Must select one in each category

Religion 3 hrs
   REL 4157 Religion and Psychoanalysis or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 3720 Faith and Reason or 3 hrs
   REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
   REL 4496 Key Concepts in Religion and Cultural Studies or 3 hrs

Cultural Studies 3 hrs
   HUM 3805 Critical Theory in the Humanities or 3 hrs
   HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
   HUM 4459 American Cultural Studies in Humanities or 3 hrs
   HUM 4823 Queer Theory in the Humanities or 3 hrs
   HUM 4826 Postcolonial Theory or 3 hrs
   PHI 3660 Contemporary Philosophy or 3 hrs
   PHI 4804 Critical Theory 3 hrs

Religion in Culture 9 hrs
   Must select three from the following:
   REL 3101 Religion in Popular Culture 3 hrs
   REL 3111 Religion and Philosophy Through Film 3 hrs
   REL 3115 Religion, Spirituality, and Popular Music 3 hrs
   REL 3130 Religion in America 3 hrs
   REL 4110 Religion and the Arts 3 hrs
   REL 4180 Religion and Medicine 3 hrs
   PHI 3033 Philosophy, Religion, and the Environment 3 hrs
   ANT 3241 Magic, Ritual, and Belief 3 hrs
   POT 4832 Religion and Politics 3 hrs
   SYO 4200 Religion in Society 3 hrs
   REL 4178 Religion and Law 3 hrs

5. Restricted Electives (6 hrs)
   Any two from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.
   Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.

6. Capstone Requirements
   REL 4910 Senior Research Seminar 3 hrs

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement

Graduation
   Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Earn a “C” (2.0) or better in each required course.
    To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
    Computer Competency met by one of the following:
    REL 4970 Undergraduate Honors Thesis 3 hrs
    REL 4910 Senior Research Seminar 3 hrs
    STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors in Major
   Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
   Requirements are as follows:
   Core, Elective Requirements, and Senior Seminar 36 hrs
   Same requirement as for regular majors
Honors Thesis  6 hrs
REL 4903H Honors Directed Readings I  3 hrs
REL 4970H Undergraduate Honors Thesis  3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  REL 4903H Honors Directed Readings I  3 hrs
  REL 4970H Undergraduate Honors Thesis  3 hrs

Related Programs
- Interdisciplinary Studies
- Philosophy
- Humanities and Cultural Studies

Certificates
- None

Related Minors
- Humanities and Cultural Studies
- Judaic Studies
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall  16 hrs
ENC 1101 Composition I  3 hrs
HUM 2210 Humanistic Tradition I  3 hrs
MGF 1106 Finite Mathematics  3 hrs
REL 2300 World Religions  3 hrs
SPN 1120C Elementary Spanish Language and Civilization I  4 hrs

Freshman Year - Spring  16 hrs
ENC 1102 Composition II  3 hrs
HUM 2230 Humanistic Tradition II  3 hrs
STA 1063C Basic Statistics Using Microsoft Excel  3 hrs
Restricted Elective  3 hrs
SPN 1121C Elementary Spanish Language and Civilization II  4 hrs

Sophomore Year - Fall  15 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
REL 2000 Introduction to Religious Studies  3 hrs

Sophomore Year - Spring  15 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Spring  15 hrs
REL 4910 Senior Research Seminar  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Foodservices and Lodging Management,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP)  (36 hrs)
A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
C: Mathematical Foundations  (6 hrs)
Required MAC 1105C College Algebra  3 hrs
Select 1:  3 hrs
  Required CSE 2100C Computer Fundamentals for Business or  3 hrs
  Required STA 2023 Statistical Methods I  3 hrs

D: Social Foundations  (6 hrs)
Select 1:  3 hrs
  Required ECO 2013 Principles of Macroeconomics or  3 hrs
  Required ECO 2023 Principles of Microeconomics  3 hrs

Select 1:  3 hrs
  Required PSY 2102 General Psychology or  3 hrs
  Required SYG 2000 Introduction to Sociology or  3 hrs
  Required ANT 2000 General Anthropology  3 hrs

E: Science Foundations  (6 hrs)
2. Common Program Prerequisites (CPP)  (7 hrs)
  Required MAC 1105C College Algebra  3 hrs
  Required ECO 2013 Principles of Macroeconomics or  3 hrs
  Required STA 2023 Statistical Methods I  3 hrs

1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

3. Core Requirements: Basic Level
MAC 1105C College Algebra  GEP
Select 1:  3 hrs
  Required CSE 2100C Computer Fundamentals for Business or  3 hrs
  Required STA 2023 Statistical Methods I  3 hrs
## 4. Core Requirements: Advanced Level (51 hrs)

### Hospitality Core Requirements 30 hrs

<table>
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<tr>
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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
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### Restaurant Management Core 18 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>FSS 3124</td>
<td>Supply and Procurement Management</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3813</td>
<td>Foodservice Marketing, Sales, and Distribution</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage, and Labor Cost Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2943</td>
<td>Sanitation in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 5: 15 hrs

- FSS 3008: Culture and Cuisine or Corporate Contract and Managed Services Organizations or...
- HFT 4343: Hospitality Facilities Management or Seminar in Quality Brewing and Fine Beer or...
- HFT 4866C: Exploring Wines of the World or International Gastronomy or...
- HUN 3013: Nutrition Concepts and Issues in the Food Service Industry

### 5. Restricted Electives (15 hrs)

- Select 6: 15 hrs
  - FSS 4135: Corporate Contract and Managed Services Organizations or...
  - HFT 4864: Hospitality Facilities Management or Seminar in Quality Brewing and Fine Beer or...
  - HFT 4894: Exploring Wines of the World or International Gastronomy or...
  - HUN 3013: Nutrition Concepts and Issues in the Food Service Industry

### 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

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**University of Central Florida**

**Undergraduate Catalog 2015-2016**

**UCF Degree Programs**

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

**Transfer Notes**

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult/Hist. Foundations I</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- PSY 2012: General Psychology or...
- SYG 2000: Introduction to Sociology or...
- ANT 2000: General Anthropology or...

**Freshman Year - Spring** 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Cult/Hist. Foundations II</td>
<td></td>
<td>3 hrs</td>
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</table>

**Select 1:** 3 hrs

- GCS 1060C: Introduction to Computers or...
- STA 2023: Statistical Methods I or...

**Sophomore Year - Fall** 14 hrs

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3 hrs</td>
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<tr>
<td>Science Foundations I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Electives</td>
<td></td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- ECO 2013: Principles of Microeconomics or...
- ECO 2023: Principles of Microeconomics or...

**Sophomore Year - Spring** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundations I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult/Hist. Foundations III</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Electives</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Junior Year - Fall 16 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
HFT 2843 Sanitation in the Food Service Industry 3 hrs
HFT 4941 Internship II 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4296 Hospitality Communications 3 hrs
HFT 4861C Beverage Management 3 hrs
HFT 4944 Internship III 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Restaurant Restricted Electives 9 hrs
Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu

The Science Education - Biology B.S. program offers students the option of two tracks: Science Education- Biology Track and Science Education - Biology Lifelong Learning Track (non-certification).
The Education Track is appropriate for students interested in opportunities for employment outside of formal K-12 schools that require certification. The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.

The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.

Degree requirements are subject to change based on state mandates.

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

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 B1 to meet Gordon Rule Requirement

Select 1:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2025 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required PSC 1121 Physical Science 3 hrs
Required BSC 2010C Biology I 4 hrs

1. A grade of “C-”(1.75) is required.

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
1. EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
BSC 2010C Biology I GEP
MAC 2311C Calculus with Analytic Geometry I GEP
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
- Students should consult with advisor regarding course options

BSC 2010C Biology I GEP
BSC 2011C Biology II CPP
CHM 2045C Chemistry Fundamentals I CPP
PSC 1121 Physical Science GEP
Education Track requires 18 semester hours of Education Core Requirements
- EDF 2130 Child and Adolescent Development for Educators
- EDF 4467 Learning Theory and Assessment
- EDG 4410 Teaching Strategies and Classroom Management
- EFX 4242 Teaching Exceptional Students in Secondary Settings
- RED 4043 Content Reading in Kindergarten through Grade 12
- TSL 4080 Theory and Practice of Teaching ESOL

Lifelong Learning Track requires 55 semester hours of Education Core Requirements
- EDF 2130 Child and Adolescent Development for Educators
- EDF 2270 Adult Development & Learning
- EDC 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- EDF 4467 Learning Theory and Assessment
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- TSL 4080 Theory and Practice of Teaching ESOL

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 58 semester hours
- Lifelong Learning Track requires 55 semester hours

Education Core Requirements
- Education Track requires 18 semester hours of Education Core Requirements

Lifelong Learning Track requires 21 semester hours of Education Core Requirements
- EDF 4467 Learning Theory and Assessment
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- EDG 4410 Teaching Strategies and Classroom Management
- EFX 4242 Teaching Exceptional Students in Secondary Settings
- RED 4043 Content Reading in Kindergarten through Grade 12
- TSL 4080 Theory and Practice of Teaching ESOL

Lifelong Learning Track
- SCE 4361 Programs in Teaching Science

Education Track Specialization Requirements
- CHM 2205 Introduction to Organic and Biochemistry
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory
- PCB 3044 Principles of Ecology
- PCB 3044L Principles of Ecology Laboratory
- MCB 3020C General Microbiology
- SCE 4361 Programs in Teaching Science

Select 1:
- PCB 3703C Human Physiology or
- ZOO 3733C Human Anatomy or
- PCB 3063 Genetics & PCB 3063L Genetics Lab

Internship I Block
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/

Internship II
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

Internship II
- PCB 3044 Principles of Ecology
- PCB 3044L Principles of Ecology Laboratory
- MCB 3020CC General Microbiology
- PCB 3703C Human Physiology
- ZOO 3733C Human Anatomy
- PCB 3063 Genetics & PCB 3063L Genetics Laboratory
- DEG 4941 Directed Field Experience
- DEG 4948 Service Learning
- DIG 3525 Digital Media Production I
- DIG 2000 Introduction to Digital Media
- DIG 2030C Digital Video Fundamentals
- DIG 2109C Digital Imaging Fundamentals
- DIG 2500C Fundamentals of Interactive Design
- DIG 3811 User-Centered Design
- DEP 2004C Developmental Psychology
- DEP 3202 Psychology of Exceptional Children
- DEP 3464 Psychology of Aging
- EXP 3604C Cognitive Psychology
- EXP 3250 Principles of Human Factors Psychology
- EAB 3703C Principles of Behavior Modification
- MAN 3025 Management of Organizations
- MAN 4101 Human Relations in Management
- MAR 3023 Marketing
- HFT 1000 Introduction to the Hospitality and Tourism Industry
- HFT 2750 The Event Industry
- ECT 4184 Curriculum Development Techniques for Industry Training
- HFT 3798 Fairs and Festivals
- HFT 4754 Exhibit and Trade Show Operations

5. Restricted Electives
- None
6. Capstone Requirements
- None
7. Foreign Language Requirements
- None
### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2270 Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2048L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3044 Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L Principles of Ecology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 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

### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4361 Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4360 Principles of Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C General Microbiology and</td>
<td>5 hrs</td>
</tr>
<tr>
<td>CHM 2205 Introduction to Organic and Biochemistry</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 2330 Career Planning and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Choose Lifelong Learning Specialization courses</td>
<td>7 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4360 Science Instructional Analysis and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SCE 3940 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose Lifelong Learning Specialization courses</td>
<td>7 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4941 Internship</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4941 Internship</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose Lifelong Learning Specialization courses</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
Science Education - Chemistry (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education Chemistry B.S program offers students the option of two tracks: Science Education - Chemistry Track and Science Education - Chemistry Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
   - Note: Students are advised to take the preferred courses.
   
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs

   Select 1:
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1114C College Trigonometry 3 hrs

   Select 1: 3 hrs
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

2. Education Core Requirements (4 hrs)
   - Education Track requires 4 semester hours
   - Lifelong Learning Track requires 7 semester hours

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

3. Core Requirements: Basic Level (4 hrs)
   - Education Track requires 4 semester hours
   - Lifelong Learning Track requires 7 semester hours

4. Core Requirements: Advanced Level (55 hrs)
   - Education Track requires 55 semester hours
   - Lifelong Learning Track requires 55 semester hours

   Education Core Requirements 18 hrs
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements

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

   E: Science Foundations (7 hrs)
   - 1 Required BSC 2010C Biology I 4 hrs
   - 1 Required PSC 1121 Physical Science 3 hrs

   1 A grade of "C-" (1.75) or better is required.

   2. Common Program Prerequisites (CPP) (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - PHY 2053C College Physics I 4 hrs

   Education Track 3 hrs
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs

   Lifelong Learning Track 6 hrs
   - MHS 2330 Career Planning 3 hrs

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

   4. Core Requirements: Advanced Level (55 hrs)
   - Education Track requires 55 semester hours
   - Lifelong Learning Track requires 55 semester hours

   Education Core Requirements 18 hrs
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements

   1 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
   - EFX 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 3 hrs

   Lifelong Learning Track 3 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs

   1 Pre-requisite for Internship I (Education Track)

   Education Track Specialization Requirements 21 hrs
   - CHM 2046 Chemistry Fundamentals II CPP
   - CHM 2046L Chemistry Fundamentals Laboratory CPP
   - CHM 3120 Analytical Chemistry 3 hrs
   - CHM 3120L Analytical Chemistry Laboratory 1 hr
   - CHM 2210 Organic Chemistry I 3 hrs
   - CHM 2211 Organic Chemistry II 3 hrs
   - CHM 2211L Organic Laboratory Techniques I 2 hrs
UCF Degree Programs

CHS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps/. Satisfactory completion of Internship I requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

Internship II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Chemistry 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None
Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- GEP B3 Elective (Preferred course from section B1) 3 hrs

Freshman Year - Summer 6 hrs
- Select 1:
  - MUL 2010 Enjoyment of Music or 3 hrs
  - THE 2000 Theatre Survey or 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs
- Select 1:
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 14 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring 13 hrs
- CHM 2046L Organic Laboratory Techniques I 2 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Education Track 7 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Lifelong Learning Track 3 hrs
- MHS 2330 Career Planning and 3 hrs
- Choose Lifelong Learning Specialization courses 5 hrs

Junior Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Choose Lifelong Learning Specialization courses 12 hrs

Senior Year - Fall 13 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 4360 Science Instructional Analysis and 4 hrs
- SCE 3940 Internship and 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Lifelong Learning Track 10 hrs
- Choose Lifelong Learning Specialization courses 10 hrs

Senior Year - Spring 12 hrs
- SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Science Education - Physics (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education- Physics B.S. program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment outside formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.
1. UCF General Education Program (GEP) (38 hrs)
   - Students are advised to take the preferred courses.
   - **A: Communication Foundations (9 hrs)**
     - Required: ENC 1101 Composition I 3 hrs
     - Required: ENC 1102 Composition II 3 hrs
     - Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations (9 hrs)**
     - General Education Program elective from section B1 to meet Gordon Rule Requirement
     - Select 1:
       - Prefer: MUL 2010 Enjoyment of Music or 3 hrs
       - Prefer: THE 2000 Theatre Survey or 3 hrs
       - Prefer: PHI 2010 Introduction to Philosophy or 3 hrs
     - General Education Program elective: Prefer a second course from GEP section B1
   - **C: Mathematical Foundations (7 hrs)**
     - Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
     - Select 1:
       - 3 hrs
         - 1 Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
         - 1 Prefer: STA 2014C Principles of Statistics 3 hrs
   - **D: Social Foundations (6 hrs)**
     - Prefer: POS 2041 American National Government 3 hrs
     - Prefer: PSY 2012 General Psychology 3 hrs
   - **E: Science Foundations (7 hrs)**
     - 1 Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs
     - Select 1:
       - 3 hrs
         - 1 Select: 3 hrs
           - 1 Prefer: ANT 2511 The Human Species or 3 hrs
           - 1 Prefer: BSC 1005 Biological Principles 3 hrs
     - 1 A grade of “C-” (1.75) or better is required.
     - 2 A grade of “C” (1.75) or better is required.
   - **2. Common Program Prerequisites (CPP) (29 hrs)**
     - See “Common Prerequisites” in the Transfer and Transition Services section for more information.
     - EDF 2005 Introduction to the Teaching Profession 3 hrs
     - EDF 2085 Introduction to Diversity for Educators 3 hrs
     - EME 2040 Introduction to Technology for Educators 3 hrs
     - MAC 2311C Calculus with Analytic Geometry I GEP
     - MAC 2312 Calculus with Analytic Geometry II 4 hrs
     - MAC 2313 Calculus with Analytic Geometry III 4 hrs
     - PHY 2049C Physics for Engineers & Scientists I GEP
     - PHY 2049C Physics for Engineers & Scientists II GEP
     - CHM 2045C Chemistry Fundamentals I 4 hrs
     - CHM 2047 Chemistry Fundamentals II 4 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
     - 1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
     - **3. Core Requirements: Basic Level (3 hrs)**
     - Education Track requires 3 semester hours
     - Lifelong Learning Track requires 6 semester hours
     - PHY 2048C Physics for Engineers & Scientists I GEP
     - MAC 2311C Calculus with Analytic Geometry I GEP
   - **Education Track (3 hrs)**
     - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - **Lifelong Learning Track (6 hrs)**
     - MHS 2330 Career Planning 3 hrs
     - Select 1:
       - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
       - EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (47 hrs)
   - Education Track requires 50 semester hours
   - Lifelong Learning Track requires 47 semester hours

   **Education Core Requirements 18 hrs**
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements
   - 1 EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   - 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   **Lifelong Learning Track**
   - SCE 4361 Programs in Teaching Science 3 hrs

1 Pre-requisite for Internship I (Education Track)

   **Education Track Specialization Requirements 13 hrs**
   - CHM 2045C Chemistry Fundamentals I CPP
   - CHM 2046 Chemistry Fundamentals II CPP
   - CHM 2046L Chemistry Fundamentals Laboratory CPP
   - MAC 2312 Calculus with Analytic Geometry II CPP
   - MAC 2313 Calculus with Analytic Geometry III CPP
   - PHY 2049C Physics for Engineers and Scientists I CPP
   - PHY 3011 Physics for Engineers and Scientists III 3 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs
   - Elective: 3000 or 4000 level PHY or PHZ prefix 4 hrs

   **Select 1:**
   - 3 hrs
     - PHY 3752C Physics of Scientific Instruments or 3 hrs
     - PHY 3722C Physics Laboratory-Electronics 3 hrs

   **Internship I Block 7 hrs**
   - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Students in Schools
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
   - SCE 4360 Science Instructional Analysis 4 hrs
   - SCE 3940 Internship 3 hrs

   **Internship II 12 hrs**
   - At least 80% of all required physics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Physics 6-12) of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.]
Lifelong Learning Track Specialization  26 hrs

Requirements

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-"(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

PHY 3101  Physics for Engineers and Scientists III  3 hrs
PHY 3752C  Physics of Scientific Instruments  3 hrs
PHY 3722C  Physics Laboratory-Electronics  3 hrs
EDG 4941  Directed Field Experience  1 hr
EDG 4948  Service Learning  3 hrs
DIG 3525  Digital Media Production I  3 hrs
DIG 2000  Introduction to Digital Media  3 hrs
DIG 2030C  Digital Video Fundamentals  3 hrs
DIG 2109C  Digital Imaging Fundamentals  3 hrs
DIG 2500C  Fundamentals of Interactive Design  3 hrs
DIG 3811  User-Centered Design  3 hrs
DEP 2004C  Developmental Psychology  3 hrs
DEP 3202  Psychology of Exceptional Children  3 hrs
DEP 3464  Psychology of Aging  3 hrs
EXP 3604C  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703C  Principles of Behavior Modification  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3223  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

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 minimum of 2.5 hours in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
## Education Track Programs

<table>
<thead>
<tr>
<th>Track</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Education Track</strong></td>
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</tr>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
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<tr>
<td><strong>Lifelong Learning Track</strong></td>
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<tr>
<td>EDF 2130 Child and Adolescent Development for Educators or EDP 2270 Adult Development &amp; Learning</td>
<td>3 hrs</td>
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<tr>
<td><strong>Sophomore Year - Summer</strong></td>
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<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
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<td><strong>Junior Year - Fall</strong></td>
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<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
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<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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<td><strong>Junior Year - Spring</strong></td>
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<tr>
<td>PHY or PHZ 3000 or 4000 level elective</td>
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<td><strong>Lifelong Learning Track</strong></td>
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<tr>
<td>MHS 2330 Career Planning and</td>
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</tr>
<tr>
<td>Choose Lifelong Learning Specialization course</td>
<td>1 hr</td>
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<tr>
<td><strong>Senior Year - Fall</strong></td>
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<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
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<tr>
<td><strong>Education Track</strong></td>
<td></td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
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<td><strong>Lifelong Learning Track</strong></td>
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<td>Choose Lifelong Learning Specialization course</td>
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<td><strong>Junior Year - Spring</strong></td>
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<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
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<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
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<tr>
<td>SCE 4361 Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Education Track</strong></td>
<td></td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>4 hrs</td>
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<td><strong>Lifelong Learning Track</strong></td>
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<td>MHS 2330 Career Planning and</td>
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<tr>
<td>Choose Lifelong Learning Specialization course</td>
<td>1 hr</td>
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<td><strong>Senior Year - Fall</strong></td>
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<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>13 hrs</td>
</tr>
</tbody>
</table>

## Social Science Education B.S.

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

## Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

## Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take preferred courses.

A: **Communication Foundations (9 hrs)**

- Required ENC 1101 Composition I
- Required ENC 1102 Composition II
- Prefer SPC 1608 Fundamentals of Oral Communication

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

- Required AMH 2010 U.S. History: 1492-1877
- Required EUH 2000 Western Civilization I

Select 1:

- Prefer MUL 2010 Enjoyment of Music
- Prefer THE 2000 Theatre Survey
- Prefer PHI 2010 Introduction to Philosophy

C: **Mathematical Foundations (6 hrs)**

Select 1:

- Prefer STA 1063C Basic Statistics Using Microsoft Excel
- Prefer STA 2014C Principles of Statistics

Select 1:

- Suggested MGF 1106 Finite Mathematics
- Suggested MGF 1107 Explorations in Mathematics

D: **Social Foundations (6 hrs)**

- Required POS 2041 American National Government
- Required PSY 2012 General Psychology

---

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

<table>
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<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tr>
<td>EDF 2130</td>
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<td>EDP 2270</td>
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<tr>
<td>CHM 2046</td>
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<td>PHY 3101</td>
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<td>SCE 3940</td>
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<td>PHY 3752C</td>
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<td>MGF 1107</td>
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<td>POS 2041</td>
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<td>PSY 2012</td>
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### Lifelong Learning Track Specialization Requirements 27 hrs

Select 1: 3 hrs

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<tr>
<td>EDF 2085</td>
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<tr>
<td>EDF 2130</td>
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<tr>
<td>ECO 2050</td>
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<td>ECO 2270</td>
<td>3 hrs</td>
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<tr>
<td>SYE 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHS 2330</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP) (12 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- E: Science Foundations (6 hrs)
  - Prefer PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs

3. Core Requirements: Basic Level (9 hrs)

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2055</td>
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<tr>
<td>EDF 2085</td>
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<td>EME 2040</td>
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<td>AMH 2020</td>
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<td>POS 2041</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
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</table>

In addition to this course, a minimum of 6 hours of an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
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<td>EDF 2270</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYE 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHS 2330</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>3 hrs</td>
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</table>

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Education Core Requirements 18 hrs

- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
- Education Core Requirements
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDG 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Lifelong Learning Track SSE 4936 Programs in Teaching Social Science 3 hrs

### Internship I Block 6 hrs

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexep/

Internship II 12 hrs

- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexep/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization 42 hrs

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

### Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
### Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
### Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
### Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2015-2016
UCF Degree Programs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- 12 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer
- 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- 3 hrs
- MUL 2010 Enjoyment of Music or
- THE 2000 Theatre Survey or
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Select 1:
- 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring
- 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Education Track
- 6 hrs
- ECO 2023 Principles of Microeconomics and
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- 3 hrs
- MHS 2330 Career Planning 3 hrs

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

Sophomore Year - Summer
- 9 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Education Track
- 6 hrs
- EUH 2000 Western Civilization I and
- Upper Division Political Science Elective (CPO, INR, POS 3/4XXX) 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses

Junior Year - Fall
- 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Education Track
- 6 hrs
- EUH 2001 Western Civilization II and
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs
Junior Year - Spring  
RED 4043  Content Reading in Kindergarten through Grade 12  
Education Track  
GEO 3471  World Political Geography and  
SSE 3940  Internship and  
SSE 4361  Social Science Instructional Analysis  
Lifelong Learning Track  
Choose Lifelong Learning Specialization courses  
Senior Year - Fall  
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  
EEX 4242  Teaching Exceptional Students in Secondary Settings  
Education Track  
Upper Division American History Elective (AMH 3/4XXX)  
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, LAH or POS 3/4XXX)  
Lifelong Learning Track  
Choose Lifelong Learning Specialization courses  
Senior Year - Spring  
SSE 4941  Internship  
Lifelong Learning Track  
Choose Lifelong Learning Specialization courses  
Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oecs.ucf.edu/academiclearningcompacts.html  
Equipment Fees  
Part-Time Student: $12 per term  
Full-Time Student: $24 per term  
Social Sciences (B.S.)  
College of Sciences  
Department of Sociology,  
Howard Phillips Hall, Room: 403  
http://sociology.ucf.edu/  
Email: sociology@ucf.edu  
Dr. Lin Huff-Corzine, Lin.Huff-Corzine@ucf.edu  
Phone: 407-823-3744  
Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Sociology, Psychology, Political Science, Communication, and Anthropology. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs.  
Admission Requirements  
None  
Degree Requirements  
Students who change degree programs and select this major must adopt the most current catalog.  
Students must meet the residency requirements specified in each minor.  
Special topics courses may be used if they are acceptable within the specific minor.  
A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.  
Grades below “C” (2.0) in lower level courses are not accepted.  
Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.  
Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.  
All prerequisites of courses taught within the College of Sciences will be enforced.  
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.  
1. UCF General Education Program (GEP)  
A: Communication Foundations  
Required  ENC 1101  Composition I  
Required  ENC 1102  Composition II  
Complete one of the following:  
1 Suggested  SPC 1608  Fundamentals of Oral Communication or  
Suggested  SPC 1603C  Fundamentals of Technical Presentations or  
Pilot  COM 1000  Introduction to Communication  
1 Required if Communication option of the major is to be followed.  
B: Cultural & Historical Foundations  
Required  STA 2023  Statistical Methods I  
Required  STA 2014C  Principles of Statistics or  
Required  STA 2023  Statistical Methods I  
Math:  
You may substitute a higher level math with appropriate scores on the Math Placement Test.  
Pilot  MGF 1107  Explorations in Mathematics or  
Suggested  MGF 1106  Finite Mathematics  
D: Social Foundations  
Select the following course:  
Required  POS 2041  American National Government  
Select one of the following, depending on the concentration to be followed.  
Required  ANT 2000  General Anthropology or  
Required  PSY 2012  General Psychology or  
Required  SYG 2000  Introduction to Sociology  
E: Science Foundations  
2. Common Program Prerequisites (CPP)  
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
Students must complete two introductory courses in a social science discipline.  
Course selection depends on concentration to be followed.  
3. Core Requirements: Basic Level  
Select one of the following Statistics courses:  
STA 2014C  Principles of Statistics or GEP  
STA 2023  Statistical Methods I GEP  
Select at least three of the following, depending on concentrations to be taken:  
Required  ANT 2000  General Anthropology or GEP  
Required  PSY 2012  General Psychology or GEP  
Required  SYG 2000  Introduction to Sociology GEP  
4. Core Requirements: Advanced Level  
Select one methods’ course:  
Required Minors:  
Complete the requirements for 3 Social Science minors dealing with the following areas:
5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements
- None

10. Required Minors
- Three minors are to be selected from the following listing:
  - However only one minor may be taken within a single department or school.
  - Anthropology
  - Anthropology in Multicultural Studies
  - Crime, Law, and Deviance
  - Diplomacy
  - Diversity and Social Inequality
  - European Studies
  - Human Communication
  - International and Global Studies
  - Journalism Studies
  - Magazine Journalism
  - Mass Communication
  - Mass Culture and Collective Behavior
  - Medical Anthropology
  - Medical Sociology
  - North American Indian Studies
  - Political Science
  - Political Science/Prelaw
  - Psychology
  - Sociology
  - Global Peace and Security Studies
  - Terrorism Studies
  - Women’s Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of “C” (2.0) in all core courses is required.
- Students will be required to take a standardized exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None
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)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Select 1: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)
   Required STA 2041 American National Government (3 hrs)
   Required PSY 2012 General Psychology (3 hrs)
   Required BSC 1005 Biological Principles (3 hrs)

   E: Science Foundations (6 hrs)
   Required POS 2041 American National Government (3 hrs)
   Required SYG 2000 Introduction to Sociology (3 hrs)

Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

   See Transfer Notes

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

   POS 2041 American National Government GEP
   BSC 1005 Biological Principles GEP
   PSY 2012 General Psychology GEP
   SYG 2000 Introduction to Sociology 3 hrs

Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (45 hrs)
   SOW 3284 Social Work Perspectives on Social Justice 3 hrs
   SOW 3104 Human Behavior and the Social Environment I 3 hrs
   SOW 3300 Practice I Generalist Practice in Social Work 3 hrs
   SOW 3111 Human Behavior and the Social Environment II 3 hrs
   SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
   SOW 3401 Social Work Research 3 hrs
   SOW 3620 Culturally Competent Social Work Practice 3 hrs
   SOW 4730 Documentation in Social Work Practice 3 hrs
   SOW 4232 Social Welfare Policies and Issues 3 hrs
   SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4522 Field Education Seminar 3 hrs
   SOW 4510 Field Education 9 hrs

Required Principles of Statistics 3 hrs

Choose one of the following suggested courses, or see advisor for more options:

STA 2014C Principles of Statistics 3 hrs
STA 2023 Statistical Methods I 3 hrs

Cultural Diversity Requirement 6 hrs

Choose two of the following suggested courses

- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- ANT 3610 Language and Culture 3 hrs
- ASH 4404 Modern China 3 hrs
- ASH 4442 Modern Japan 3 hrs
- ASH 4430 Comparative Latin American Politics 3 hrs

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
http://www.cohpa.ucf.edu/social/
Email: socialwk@ucf.edu
Dr. Bonnie Yegidis, Director
Robin Kohn, Undergraduate Program Coordinator
Catherine Cash, BSW Advisor
Phone: 407-823-2114

Admission Requirements
   ▪ Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
   ▪ Admission to the University.
   ▪ A 2.5 overall GPA.
   ▪ An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
   ▪ 15 semester hours common program prerequisites completed with a “C” (2.0) in each course (see Section 2 below for list of courses)
   ▪ This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
   ▪ Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
   ▪ Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
   ▪ Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
   ▪ Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.
UCF Degree Programs

HUM 3401 Asian Humanities 3 hrs
REL 3333 Hinduism 3 hrs
REL 3363 Islam 3 hrs
JST 3401 Jewish People in Antiquity 3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
JST 3820 Modern Israelii Culture 3 hrs
LAH 3130 Latin American History I 3 hrs
LAH 3200 Modern Latin America 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
AMH 3561 Women in American History I 3 hrs
AMH 3571 Black American History I 3 hrs
AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3313 Indians of North America High Plains 3 hrs
SOP 3724 Psychology of Prejudice 3 hrs
SOP 3742 Psychology of Women 3 hrs
ASL 3444 Introduction to Signed English and Culture of the Deaf 3 hrs
SYD 3700 Race and Ethnicity 3 hrs
EDP 2086 Introduction to Diversity for Educators 3 hrs
HSC 3593 HIV Disease: A Human Concern 3 hrs

5. Restricted Electives (6 hrs)
   - Select six hours in consultation with faculty advisor.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

   Graduation
   - Cultural Diversity Requirement

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors in Major
   - Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
   - Complete a three-credit thesis course.
   - Earn a 3.5 GPA in your Social Work major.
   - Earn a cumulative 3.2 GPA in your total UCF courses.
   - Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs
   - Criminal Justice
   - Psychology
   - Sociology
   - Public Administration

Certificates
   - Aging Studies
   - Children’s Services

Related Minors
   - Health Services Administration
   - Aging Studies
   - Psychology
   - Sociology
   - Nonprofit Management/National Certification in Nonprofit Management

Advising Notes
   - None

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - POS 2041: may use POS X042 or PUP X099
   - BSC 2005: may use BSC X085, BSC X010, or PCB X099
   - PSY 2012: may use PSY X020
   - SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall 14 hrs
   ENC 1101 Composition I 3 hrs
   BSC 1005 Biological Principles 3 hrs
   GEP Math 3 hrs
   PAF 2102 Public Affairs Careers 2 hrs
   Select 1: 3 hrs
   SYG 2000 Introduction to Sociology or 3 hrs
   PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   STA 2014C Principles of Statistics 3 hrs
   POS 2041 American National Government 3 hrs
   Select 1: 3 hrs
   PSY 2012 General Psychology or 3 hrs
   SYG 2000 Introduction to Sociology or 3 hrs
   GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
   GEP Communication 3 hrs
   GEP Historical 3 hrs
   SOW 2020 Careers in Creating Social Change 3 hrs
   Select 1: 3 hrs
   ECO 2013 Principles of Macroeconomics or 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
   Free Elective 3 hrs
   Free Elective 3 hrs
   GEP Science 3 hrs
   GEP Historical 3 hrs
   Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
   Select 1: 3 hrs
   SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   SOW 3300 Practice I/Generalist Practice in Social Work or 3 hrs
   SOW 3620 Culturally Competent Social Work Practice or 3 hrs
   SOW Elective 3 hrs

Junior Year - Fall 15 hrs
   SOW 3284 Social Work Perspectives on Social Justice 3 hrs
   SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   SOW 3300 Practice I/Generalist Practice in Social Work or 3 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 324 Undergraduate Catalog 2015-2016
Senior Year - Fall 18 hrs
SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
SOW 3401 Social Work Research 3 hrs
SOW 3620 Culturally Competent Social Work Practice 3 hrs
Free Elective 3 hrs

Senior Year - Summer 9 hrs
SOW 3620 Culturally Competent Social Work Practice 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW Elective 3 hrs

Senior Year - Fall 18 hrs
SOW 4232 Social Welfare Policies and Issues 3 hrs
SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW 4730 Documentation in Social Work Practice 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
For Full-time students ONLY: 12 hrs
SOW 4510 Field Education and Research Seminar 9 hrs
SOW 4522 Field Education Seminar 3 hrs
For Part-time students ONLY: 7 hrs
SOW 4941 Internship and Practicum 5 hrs
SOW 4515 Part Time Field Education Seminar 2 hrs
Senior Year - Summer 5 hrs
For Part-time students ONLY: 5 hrs
SOW 4941 Internship or Practicum 4 hrs
SOW 4515 Part Time Field Education Seminar 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Sociology (B.A.)
College of Sciences
Department of Sociology
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

The Sociology 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 presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, 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.
- Co-op credit cannot be used in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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 1105C College Algebra 3 hrs

   Statistics: 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   Political Science/Economics 3 hrs
   Select one listed course 3 hrs

   Social Sciences 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, including possible substitutions.
     SYG 2000 Introduction to Sociology GEP
     SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

   SYG 2000 Introduction to Sociology GEP/CPP
   SYA 3110 Social Theory CPP

4. Core Requirements: Advanced Level (12 hrs)
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis 4 hrs
   SYA 3400C Applied Social Statistics 4 hrs
5. Restricted Electives (27 hrs)

Select from the following courses:
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.
- SYA 4650C: Community Action and Involvement 3 hrs
- SYA 5625: ProSeminar 3 hrs
- SYA 5652: Advanced Population 3 hrs
- SYD 3410: Urban Society 3 hrs
- SYD 3700: Race and Ethnicity 3 hrs
- SYD 4510: Environment and Society 3 hrs
- SYD 4810: Women in Contemporary Society 3 hrs
- SYD 4813: Women, Law and Social Change 3 hrs
- SYG 2010: Social Problems 3 hrs
- SYO 3300: Contemporary Society 3 hrs
- SYO 3360: Social Organization and Human Relations 3 hrs
- SYO 3410: Patterns of Mental Health in Society 3 hrs
- SYO 3530: Social Power and Inequality 3 hrs
- SYO 4100: Family Trends 3 hrs
- SYO 4200: Religion in Society 3 hrs
- SYO 4250: Education and Social Achievement 3 hrs
- SYO 4300: Political Sociology 3 hrs
- SYO 4400: Medical Sociology 3 hrs
- SYP 3300: Fads, Crowds, and Social Action 3 hrs
- SYP 3400: Social Change 3 hrs
- SYP 3510: Sociology of Deviant Behavior 3 hrs
- SYP 3511: Sociology of Murder 3 hrs
- SYP 3520: Criminology 3 hrs
- SYP 3530: Juvenile Delinquency 3 hrs
- SYP 3540: Sociology of Law 3 hrs
- SYP 3551: Patterns of Alcoholism in Society 3 hrs
- SYP 3562: Patterns of Domestic Violence in Society 3 hrs
- SYP 3602: Patterns of Popular Music in Society 3 hrs
- SYP 3630: Popular Culture In Society 3 hrs
- SYP 3650: Sports and Society 3 hrs
- SYP 4000: Sociological Social Psychology 3 hrs
- SYP 4004: Constructing Social Issues 3 hrs
- SYP 4014: Patterns of Violence in Society 3 hrs
- SYP 4521: Crime Victims in Society 3 hrs
- SYP 4536: Gangs and Society 3 hrs
- SYP 4550: Patterns of Drug Abuse in Society 3 hrs
- SYP 4730: Patterns of Aging in Society 3 hrs
- SYP 4732: Minority Aging 3 hrs
- SYP 5525: Sociological Criminology 3 hrs
- SYD 3800: Sex and Gender in Society 3 hrs
- SYD 4020: Birth, Death, and Population Trends 3 hrs

Internship:
- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
- SYP 3940: Internship or 3 hrs
- SYP 4941: Internship or 3 hrs
- SYP 5944: Internship 3 hrs
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP 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 either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Psychology
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110; although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/

Freshman Year - Fall 16 hrs
- SYG 2000: Introduction to Sociology 3 hrs
- ENC 1101: Composition I 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- GEP: Math 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102: Composition II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs
- GEP 3 hrs
### Spanish (B.A.)

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures, Colbourn Hall, Room: 519**  

Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Admission Requirements**

- None

**Degree Requirements**

- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

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<td>Restricted Elective</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>SYA 3110 Social Theory</td>
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<td>SYA 4450 Data Analysis</td>
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<td>Free Elective</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  

**Equipment Fees**

- Part-Time Student: $5 per term  
- Full-Time Student: $10 per term

**Free Electives**

- SYA 3110 Social Theory: 3 hrs
- SYA 4450 Data Analysis: 4 hrs
- Free Elective: 3 hrs (total 12 hrs)

**Restricted Electives**

- SPW 3101 Survey of Spanish Literature I: 3 hrs
- SPW 3102 Survey of Spanish Literature II: 3 hrs
- SPW 3130 Survey of Latin-American Literature I: 3 hrs
- SPW 3131 Survey of Latin-American Literature II: 3 hrs
- Any 4000 level SPW course not already used in the major: 3 hrs
- Select one of the following courses:
  - SPW 3100 Survey of Spanish Literature I: 3 hrs
  - SPW 3101 Survey of Spanish Literature II: 3 hrs

**5. Restricted Electives**

- Any 4000 level SPW course not already used in the major: 3 hrs

**Spanish courses offered by the Department of Modern Languages and Literatures**

- SPN 1121C Elementary Spanish Language and Civilization I: 3 hrs
- SPN 1122C Elementary Spanish Language: 3 hrs
- SPN 3234 Advanced Directed Readings: 3 hrs
- Spanish literature beyond the survey level: 3 hrs
- Spanish course not already used in the major: 3 hrs

**Select one of the following courses**

- SPN 4510 Spanish Civilization and Culture: 3 hrs
- SPN 4520 Latin American Civilization and Culture: 3 hrs

**Additional Spanish electives**

- Select any 3000, 4000, 5000 SPN, SPW, SPT courses not already used in the major: 12 hrs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)**: (36 hrs)
   - **A: Communication Foundations**: (9 hrs)
   - **B: Cultural & Historical Foundations**: (9 hrs)
   - **C: Mathematical Foundations**: (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - **SPN 1120C Elementary Spanish Language and Civilization I**: 4 hrs
   - **SPN 1121C Elementary Spanish Language and Civilization II**: 4 hrs
   - **SPN 2200 Intermediate Spanish Language and Civilization I**: 3 hrs
   - **SPN 3234 Advanced Directed Readings**: 3 hrs

3. **Core Requirements: Basic Level**
   - **SPN 3254 Advanced Directed Readings**: 3 hrs

4. **Core Requirements: Advanced Level**: (15 hrs)
   - **SPN 3300 Advanced Spanish Grammar and Composition**: 3 hrs
   - **SPN 3420 Spanish Composition**: 3 hrs
   - **SPN 3760 Advanced Spanish Oral Communication**: 3 hrs

5. **Select one of the following courses**:  
   - **SPW 3100 Survey of Spanish Literature I and SPW 3101 Survey of Spanish Literature II**: 3 hrs
   - **SPW 3130 Survey of Latin-American Literature I and SPW 3131 Survey of Latin-American Literature II**: 3 hrs

6. **Select one of the following sequences of courses**:  
   - **SPW 3100 Survey of Spanish Literature I and SPW 3101 Survey of Spanish Literature II**: 3 hrs

7. **Additional Spanish electives**: (12 hrs)

**Departmental Residency Requirement** consists of at least 36 credits in Spanish taken at the 3000 level or above.
Acceptable Substitutes for Transfer Courses

Third-year level composition and conversation courses. They must substitute advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute.

Supporting Information.

Equivalency credit. The student must provide all supporting schools must be evaluated by the department chair for.

Transfer Notes

Advising Notes

11. Departmental Exit Requirements

Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.

Students are required to satisfactorily complete a departmental exit exam, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor

and the Spanish Section Director. Students may take the Spanish Exit Exam up to a maximum of two times. Students are eligible to take the exam after they complete the literature survey sequence and the linguistics requirement. Exceptions must be approved by the student’s Spanish advisor and by the Spanish Section Director.

Computer Competency met by the following or equivalent:

CGS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

French

Certificates

None

Related Minors

French

Italian

Judaic Studies

Latin American Area Studies

Spanish

Advising Notes

None

Transfer Notes

Lower division courses do not substitute for upper division courses.

Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute.

Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses

None

Plan of Study

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 16 hrs

ANT 2000 General Anthropology 3 hrs

ENC 1101 Composition I 3 hrs

MGF 1106 Finite Mathematics 3 hrs

SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Eelective / Minor 3 hrs

Freshman Year - Spring 14 hrs

ENC 1102 Composition II 3 hrs

STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Eelective / Minor 4 hrs

Sophomore Year - Fall 15 hrs

AMH 2010 U.S. History: 1492-1877 3 hrs

ARR 2050 History of Western Art I 3 hrs

POS 2041 American National Government 3 hrs

PSC 1121 Physical Science 3 hrs

SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring 15 hrs

BSC 1005 Biological Principles 3 hrs

MUL 2010 Enjoyment of Music 3 hrs

COM 1000 Introduction to Communication 3 hrs

SPN 3234 Advanced Directed Readings 3 hrs

Eelective / Minor 3 hrs

Junior Year - Fall 15 hrs

SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

SPN 3420 Spanish Composition 3 hrs

SPN 3760 Advanced Spanish Oral Communication 3 hrs

Eelective / Minor 3 hrs

Junior Year - Spring 15 hrs

SPW 3101 Survey of Spanish Literature II 3 hrs

SPW 3141 Business Spanish II 3 hrs

Eelective / Minor 3 hrs

Senior Year - Fall 15 hrs

SPW 3100 Survey of Spanish Literature I 3 hrs

SPN 4510 Spanish Civilization and Culture 3 hrs

SPW 5705 Introduction to Spanish Linguistics 3 hrs

Eelective / Minor 3 hrs

Senior Year - Spring 15 hrs

SPW 4604 Cervantes 3 hrs

SPN 4410 Advanced Spanish Conversation 3 hrs

Eelective / 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/academiclearningcompacts.html

Sport and Exercise Science (B.S.)

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Building, Room: 209

http://education.ucf.edu/sportexscience

Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

The Sport and Exercise Science B.S. program offers students the option of three tracks, Coaching and Human Performance, offered at the Orlando campus, and Community Sport and Fitness, offered
at the South Lake campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Coaching Track includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). The Community Sport and Fitness track is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   General Education Program elective: Prefer a second course from GEP section B1 to meet Gordon Rule Requirement 3 hrs

   Select 1:
   Prefer MUL 2100 Enjoyment of Music or The Theory of Art 3 hrs
   Prefer THE 2000 Theatre Survey or THE 1120 Physical Education 3 hrs
   Prefer PHI 2010 Introduction to Philosophy 3 hrs
   General Education Program elective: Prefer a second course from GEP section B1 3 hrs

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

   Select 1:
   Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 1064C Basic Statistics for Scientists 3 hrs
   Prefer STA 2042C Principles of Statistics 3 hrs

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

   E: Science Foundations (7 hrs)
   Required BSC 2010C Biology I 4 hrs
   Prefer PSC 1121 Physical Science 3 hrs

   2. Common Program Prerequisites (CPP)
   - See Transfer Notes for possible substitutes for the following course.
   - BSC 2010C Biology I
   - GEP

3. Core Requirements: Basic Level (22 hrs)
   Core Requirements for Sport and Exercise Science (22 hrs)
   Science:
   ZOO 3736C Exercise Physiology Anatomy 4 hrs
   PET 3005 Introduction to Sport and Exercise Science 3 hrs
   PET 3097 Health and Wellness 3 hrs
   PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
   APK 110C Exercise Physiology 3 hrs
   PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

   Select 1:
   Prefer 4312K Kinesiology/Biomechanics or PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
   Select one of the following tracks
   A. Track 1 - Coaching (24 hrs)
   ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
   PET 3765 Coaching Theory 3 hrs
   PET 3771 Strength and Conditioning Concepts 3 hrs
   PET 4050C Motor Development and Learning 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   PET 4763 Coaching Methods And Principles 3 hrs
   SPM 3204 Sports and Ethics 3 hrs
   SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

   Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3041. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/

   B. Track 2 - Human Performance (24 hrs)
   ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
   PET 3771 Strength and Conditioning Concepts 3 hrs
   PET 4050C Motor Development and Learning 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   PET 4552 Exercise Prescription for Special Populations 3 hrs
   PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
   PET 3125 Fitness and Weight Management 3 hrs
   PET 4088 Physical Activity & Preventive Medicine 3 hrs

   C. Track 3 - Community Sport and Fitness (24 hrs)
   PET 3820 Teaching Sports Skills I 3 hrs
   LEI 4266 Outdoor And Leisure Activities 3 hrs
   PET 4763 Coaching Methods And Principles 3 hrs
   SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
   SPM 3130 Aquatic Management 3 hrs
   ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
   SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs
   SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

5. Restricted Electives (25 hrs)
- Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.
- Courses already required for your selected Track may not be used to meet the Restricted Elective requirement.
- Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:

   PET 4083 Personal Training Methods 3 hrs
   PET 3768 Group Exercise Instruction 3 hrs
   PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
   PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs
UCF Degree Programs

PET 3765  Coaching Theory  3 hrs
PET 4763  Coaching Methods And Principles  3 hrs
PET 3771  Strength and Conditioning Concepts  3 hrs
PET 4215  Motivational Aspects of Athletic Performance  3 hrs
SPM 3204  Sports and Ethics  3 hrs
SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs
PET 4552  Exercise Prescription for Special Populations  3 hrs
PET 4143  Current Issues & Trends in Sport and Exercise Science  3 hrs

6. Capstone Requirements (12 hrs)
   Select 1:  9 hrs
   PET 4901  Capstone in Sport and Exercise Science  3 hrs
   PET 4926  Sport and Exercise Science Practicum or 9 hrs
   Take 3 additional electives in the program approved by the advisor

- During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.
- Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.
- If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

7. Foreign Language Requirements

Admissions
- (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language.
   (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- Restricted Electives as listed above.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Coaching
- Fitness Training

Advising Notes
- Students must meet with their advisor before enrolling each term.

Transfer Notes
- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable if taken at a Florida College System institution:
  - BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
  - BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study
- The Coaching, Human Performance and Community Sport and Fitness Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

### Freshman Year - Fall

- ENC 1101  Composition I  3 hrs
- PSC 1121  Physical Science  3 hrs
- PSC 2012  General Psychology  3 hrs

Select 1:
- MUL 2010  Enjoyment of Music or 3 hrs
- THE 2000  Theatre Survey or 3 hrs
- PHI 2010  Introduction to Philosophy  3 hrs

### Freshman Year - Spring

- BSC 2010C  Biology I  4 hrs
- ENC 1102  Composition II  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PSC 1121  Physical Science  3 hrs
- POS 2041  American National Government  3 hrs
- SPC 1008  Fundamentals of Oral Communication  3 hrs

### Sophomore Year - Fall

- GEP B1 Elective  3 hrs
- PET 3005  Introduction to Sport and Exercise Science  3 hrs
- Elective Courses (2000 level or higher) 6 hrs

Select 1:
- CGS 1060C  Introduction to Computers or 3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C  Principles of Statistics  3 hrs

### Sophomore Year - Spring

- GEP B3 Elective ( Prefer course from section B1)  3 hrs
- Elective Course (2000 level or higher)  3 hrs
- ZOO 3736C  Exercise Physiology Anatomy  4 hrs
### Human Performance Track

**Junior Year - Fall**  
PET 4550C Assessment and Evaluation in Exercise Science  
3 hrs  
APK 4110C Exercise Physiology  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
PET 4215 Motivational Aspects of Athletic Performance  
3 hrs  
**Select 1:**  
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science  
3 hrs  
**Junior Year - Spring**  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
PET 3125 Fitness and Weight Management  
3 hrs  
PET 3771 Strength and Conditioning Concepts  
3 hrs  
PET 4050C Motor Development and Learning  
3 hrs  
**Junior Year - Summer**  
Elective Courses (2000 level or higher)  
7 hrs  
**Senior Year - Fall**  
Select 1:  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor  
9 hrs  
**Junior Year - Spring**  
APK 4110C Exercise Physiology  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science  
3 hrs  
PET 3765 Coaching Theory  
3 hrs  
**Select 1:**  
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science  
3 hrs  
**Junior Year - Summer**  
Elective Courses (2000 level or higher)  
7 hrs  
**Senior Year - Fall**  
PET 4050C Motor Development and Learning  
3 hrs  
PET 4550C Assessment and Evaluation in Exercise Science  
3 hrs  
PET 4763 Coaching Methods And Principles  
3 hrs  
SPM 3204 Sports and Ethics  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
**Junior Year - Summer**  
Elective Courses (2000 level or higher)  
7 hrs  
**Senior Year - Fall**  
PET 3771 Strength and Conditioning Concepts  
3 hrs  
Atr 4132 Human Injuries: Mechanisms & Prevention  
3 hrs  
PET 4215 Motivational Aspects of Athletic Performance  
3 hrs  
SPM 4723 Legal Issues in Sport and Exercise Science  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
**Senior Year - Spring**  
PET 4901 Capstone in Sport and Exercise Science  
3 hrs  
**Select 1:**  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor  
9 hrs  

### Community Sport and Fitness Track

**Junior Year - Fall**  
APK 4110C Exercise Physiology  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science  
3 hrs  
PET 3820 Teaching Sports Skills I  
3 hrs  
**Select 1:**  
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science  
3 hrs  
**Junior Year - Spring**  
LEI 4296 Outdoor And Leisure Activities  
3 hrs  
PET 4550C Assessment and Evaluation in Exercise Science  
3 hrs  
PET 4763 Coaching Methods And Principles  
3 hrs  
SPM 3415 Public Relations in Sport and Exercise Science  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
**Junior Year - Summer**  
Elective Courses (2000 level or higher)  
7 hrs  
**Senior Year - Fall**  
SPM 3130 Aquatic Management  
3 hrs  
Atr 4132 Human Injuries: Mechanisms & Prevention  
3 hrs  
SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science  
3 hrs  
SPM 4723 Legal Issues in Sport and Exercise Science  
3 hrs  
Elective Course (2000 level or higher)  
3 hrs  
**Senior Year - Spring**  
PET 4901 Capstone in Sport and Exercise Science  
3 hrs  
**Select 1:**  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor  
9 hrs  

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  

### Statistics (B.S.)

**College of Sciences**

**Department of Statistics,**

Computer Center II, Room: 212  

**Email:** statistics@ucf.edu

Dr. David Nickerson, 407-823-5528  
Phone: 407-823-2289

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
The following courses from business may be used but must first be approved by the Statistics Department.

- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2333 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MGF 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.
  - AC 2021 Principles of Financial Accounting 3 hrs
  - AC 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403 Business Finance 3 hrs

9. Additional Requirements

- None
10. Required Minors
   None

11. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each STA course.
   - Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   - Mathematics - Applied Track
   - Mathematics Education

Certificates
   - None

Related Minors
   - Statistics
   - Mathematics

Advising Notes
   - It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
   - Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
   - Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses are also a core requirement and will still need to be taken.
   - Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
   - This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   - Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
   - Prior to enrolling in Math, take Math Placement Test ~ http://ufc.sdes.ucf.edu/math/
   - Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
   - MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - ENC 1102 Composition I 3 hrs
   - GEP 3 hrs

Freshman Year - Spring
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - BSC 2010C Biology I 4 hrs
   - ENC 1102 Composition II 3 hrs

Select one course:
   - CHM 2045C Chemistry Fundamentals I or 4 hrs
   - PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - STA 4163 Statistical Methods II 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs

Sophomore Year - Spring
   - STA 4164 Statistical Methods III 3 hrs
   - COP 3223C Introduction to Programming with C 3 hrs
   - Core Course 3 hrs
   - Core Course 4 hrs

Junior Year - Fall
   - STA 4321 Statistical Theory I 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Core Course 3 hrs
   - Core Course 3 hrs

Junior Year - Spring
   - STA 4322 Statistical Theory II 3 hrs
   - Core Course 3 hrs
   - Free Elective 3 hrs
   - Elective / Minor 3 hrs
   - Elective / Minor 3 hrs

Senior Year - Fall
   - STA 4102 Computer Processing of Statistical Data 3 hrs
   - COT 4900 Numerical Calculus 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - Core Course 3 hrs
   - Elective / Minor 3 hrs
   - Take SOA EXAM P (Probability).

Senior Year - Spring
   - GEP 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs
   - Elective / Minor 3 hrs
   - Elective / Minor 3 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Technical Education and Industry Training (B.S.)

College of Education and Human Performance

Department of Child, Family and Community Sciences, Education Complex, Room: ED 123 N

http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu, 407-823-5305

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
   - Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
   - Have a minimum 2.5 overall GPA
   - Complete prerequisite courses
   - Meet the Gordon Rule Requirement
   - Meet Foreign Language Admission Requirement
UCF Degree Programs

Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (57 hrs)
   - ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
   - ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
   - ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
   - ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
   - ECW 3564 Special Populations in Career & Technical Education 3 hrs
   - ECT 4004 Principles and Practices of Technical Education 3 hrs
   - ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
   - ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs

   Select 1: 3 hrs
   - BTE 4410 Course Construction in Business Education or
   - ECW 3312 Course Construction in Health Occupations or
   - ECT 3371 Course Construction in Industrial Education or

   Technical Specialization Requirements 30 hrs
   - Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives (18 hrs)
   - Upper Division Electives 6 hrs
   - With advisor's approval
   - Directed Field Experience 12 hrs
   - The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
   - ENC 1101 Composition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Social Foundations Course (Prefer State General 3 hrs
   - Education Core Course) Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring 15 hrs
   - ENC 1102 Composition II 3 hrs
   - Select 1: 3 hrs
     - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - STA 2014C Principles of Statistics 3 hrs
     - Cultural-Historical Foundations Course (Prefer State General 3 hrs
     - General Education Core Course) Cultural-Historical Foundations Course 3 hrs
     - Social Foundations Course 3 hrs

Sophomore Year - Fall 12 hrs
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - Technical Specialization Course 3 hrs
   - Science Foundations Course 3 hrs
   - Foreign Language Course (if needed) 4 hrs

Sophomore Year - Spring 12 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - Technical Specialization Course 3 hrs
   - Technical Specialization Course 3 hrs

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Science Foundations Course (Prefer State General Education Core Course) 3 hrs
Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
ECW 3564 Special Populations in Career & Technical Education 3 hrs

Select 1: 3 hrs
ECW 3312 Course Construction in Health Occupations 3 hrs
ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
Technical Specialization Courses 9 hrs

Junior Year - Spring 15 hrs
ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs

Junior Year - Summer 6 hrs
ECT 4004 Principles and Practices of Technical Education 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall 12 hrs
ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
Upper Division Electives 6 hrs

Senior Year - Spring 12 hrs
ECT 4941 Internship 12 hrs

Senior Year - Summer
See advisor for certification details.

Program Academic Learning Compacts
Select Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Theatre (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Be Boyd Coordinator: Acting, Belinda.Boyd@ucf.edu
Bert Scott Coordinator: Design & Tech, Stage Management, Bert.Scott@ucf.edu
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 Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu.
- All Acting students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student or program can continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

UNIVERSITY OF CENTRAL FLORIDA
D: Social Foundations (6 hrs)
1 Required PSY 2012 General Psychology 3 hrs
1 Stage Management Students select PSY 2012 (General Psychology)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

Design & Technology and Stage Management 3 hrs

Acting students select: 3 hrs
TPA 2200 Introduction to Technical Theatre and 2 hrs
TPA 2200L Intro to Technical Theatre Lab 1 hr

Design & Technology and Stage Management 3 hrs

Acting students select: 3 hrs
TPA 2210 Stagecraft I 3 hrs

4. Core Requirements: Advanced Level (61 hrs)
Specialization: select one area

Acting Specialization 58 hrs

TPA 2248C Makeup Techniques and 2 hrs
DAA 2200C Ballet I and 2 hrs
TPP 2170C Acting II - The Actor Prepares and 3 hrs
TPP 3173C Acting III - Building the Character and 3 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 2710C Voice Production I and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4730C Dialects and 2 hrs
TPP 3510C Movement for the Actor I and 2 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3259C Musical Theatre Voice II and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (Any THE, TPP, TPA, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

Select 1: 2 hrs
DAA 2570C Jazz Dance I or 2 hrs
DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr
TPA 4298L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4193L Theatre Participation-Performance II or 1 hr

Stage Management Specialization 55 hrs

TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 4298L Theatre Participation-Production II and 1 hr
TPA 4288L Theatre Participation-Production II and 1 hr
TPP 4400 Theatre Management and 3 hrs
TPA 2220C Stage Electronics and 3 hrs
TPP 2600 Stage Management Basics and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPP 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
### Electives

Graduation

One year of one foreign language in college (or equivalent

Admissions

7. Foreign Language Requirements

- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement

- Restrictions: (Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

#### Select 1:

- TPA 3060C: Scenic Design for Theatre I or 3 hrs
- TPA 3045C: Costume Design for Theatre I or 3 hrs

#### Select 2:

- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr
- ARH 2051: History of Western Art II and GEP
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr
- ARH 2051: History of Western Art II and GEP
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr
- ARH 2051: History of Western Art II and GEP
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr
- ARH 2051: History of Western Art II and GEP
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr
- ARH 2051: History of Western Art II and GEP
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 3195L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3197L: Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 2211: Stagecraft II and 3 hrs
- TPA 2230C: Costume Construction and 3 hrs
- TPA 2200C: Theatre Design Basics and 3 hrs
- TPA 4250C: CADD for Theatre and 2 hrs
- TPA 4251C: Advanced CADD for Theatre and 2 hrs
- TPA 4401C: Theatre Careers in Production and 3 hrs
- TPA 4258L: Theatre Participation-Production II and 1 hr
- TPA 4298L: Theatre Participation-Production II and 1 hr

1. This course is taken twice.

5. Restricted Electives

- (see specializations for credit hours)
- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement

- Independent Study, Undergraduate Research, and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit

Check the semester prior to final semester of theatre classes.

- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.

- Minimum of 60 theatre credits must be completed in residency at UCF.

- Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 129

Honors In Major

- None

Related Programs

- Art
- Film
- Music
- Theatre Studies

Certificates

- None

Related Minors

- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes

- None

Transfer Notes

- Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.

- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

THE 2020 May use any introductory course. Some 3 hrs

students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.

THE 2025 May use any introductory Theatre Play or Script 3 hrs

Analysis class. Script Analysis for Film cannot substitute.

TPA 2210 may be substituted with any introductory 3 hrs

Stagecraft Course. Lab will still need to be taken.

TPA 2200 may be substituted with any introductory 3 hrs

Stagecraft course.

1 TPP 3310C Directing for Theatre I 3 hrs

may be substituted with: TPP 2300

1 Or any introductory Theatre Directing course.
Plan of Study

Acting

Freshman Year - Fall 16 hrs
THE 2020  Survey of Theatre for Majors  3 hrs
TPP 2710C  Voice Production I  2 hrs
THE 2305  Script Analysis for Theatre  3 hrs
TPP 3510C  Movement for the Actor I  2 hrs
GEP Mathematical Foundation  3 hrs
ENC 1101  Composition I  3 hrs

Freshman Year - Spring 16 hrs
TPP 3711C  Voice Production II  2 hrs
TPP 2110C  Acting I - Introduction  3 hrs
TPP 3513C  Movement for the Actor II  2 hrs
TPA 2248C  Makeup Techniques  2 hrs
THE 2925L  Theatre Participation  1 hr
General Education  3 hrs
ENC 1102  Composition II  3 hrs

Sophomore Year - Fall 16 hrs
TPA 2200  Introduction to Technical Theatre  2 hrs
TPA 2200L  Intro to Technical Theatre Lab  1 hr
THE 3311  Theatre History and Dramatic Literature I  3 hrs
TPP 2170C  Acting II -The Actor Prepares  3 hrs
DAA 2200C  Ballet I  2 hrs
TPP 3712C  Voice Production III  2 hrs
General Education  3 hrs

Sophomore Year - Spring 16 hrs
TPP 3267C  Musical Theatre Voice I  2 hrs
TPP 3173C  Acting III - Building the Character  3 hrs
THE 3312  Theatre History and Dramatic Literature II  3 hrs
TPP 4221  Auditioning  3 hrs
General Education  3 hrs

Select One: 2 hrs
DAA 2570C  Jazz Dance I or  2 hrs
DAA 2100C  Modern Dance I  2 hrs

Junior Year - Fall 16 hrs
TPP 4140C  Acting IV - Creating the Role  3 hrs
TPP 3268C  Musical Theatre Voice II  2 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
TPP 3310C  Directing for Theatre I  3 hrs
General Education  3 hrs

Junior Year - Spring 16 hrs
TPP 4142C  Acting Verse  3 hrs
THE 2925L  Theatre Participation  1 hr
TPP 4223C  Theatre Careers for Performance  3 hrs
General Education  9 hrs

Junior Year - Summer 6 hrs
TPP 4940L  Theatre Internship  6 hrs

Senior Year - Fall 15 hrs
TPP 4265C  Camera Acting  3 hrs
TPP 4730C  Directs  2 hrs
Theatre Elective  3 hrs
Theatre Elective  3 hrs
THE 2925L  Theatre Participation  1 hr
General Education  5 hrs
THE 4954  Theatre Exit Critique  0 hrs

Senior Year - Spring 12 hrs
TPP 4512C  Stage Combat  2 hrs
THE 2925L  Theatre Participation  1 hr
Theatre Elective  3 hrs
Theatre Elective  3 hrs
General Education  3 hrs

Stage Management

Freshman Year - Fall 15 hrs
THE 2020  Survey of Theatre for Majors  3 hrs
TPA 2210  Stagecraft I  3 hrs
TPA 2210L  Stagecraft I Lab  1 hr
TPP 2110C  Acting I - Introduction  3 hrs
TPA 2450C  CADD for Theatre  2 hrs
TPA 2600  Stage Management Basics  3 hrs

Sophomore Year - Fall 15 hrs
TPA 2200  Stagecraft I  3 hrs
TPA 2210  Stagecraft I Lab  1 hr
TPP 3310C  Directing for Theatre I  3 hrs
TPA 2220C  Stage Electronics  3 hrs
THE 2305  Script Analysis for Theatre  3 hrs
General Education  3 hrs

Sophomore Year - Spring 16 hrs
TPA 2315L  Summer Theatre Studio/Tech/Design I  3 hrs
TPA 2319L  Summer Theatre Studio/Tech/Design II  3 hrs

Sophomore Year - Fall 15 hrs
THE 3312  Theatre History and Dramatic Literature II  3 hrs
THE 2925L  Theatre Participation  1 hr
General Education  3 hrs
General Education  3 hrs
General Education  3 hrs
General Education  3 hrs

Junior Year - Fall 16 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
THE 2925L  Theatre Participation  1 hr
TPA 4602  Advanced Stage Management  3 hrs
General Education  3 hrs
General Education  3 hrs

Junior Year - Summer 6 hrs
TPP 4940L  Theatre Internship  6 hrs

Senior Year - Fall 15 hrs
TPP 4400  Theatre Management  3 hrs
THE 4284  Period Costume, Architecture, and Decor I  3 hrs
TPP 3310C  Directing for Theatre I  3 hrs
THE 4954  Theatre Exit Critique  0 hrs
Theatre Elective  3 hrs
General Education  3 hrs

Senior Year - Spring 12 hrs
THE 4285  Period Costume, Architecture, and Decor II  3 hrs
Theatre Elective  3 hrs
Theatre Elective  3 hrs
General Education  3 hrs

Design & Technology

Freshman Year - Fall 15 hrs
THE 2020  Survey of Theatre for Majors  3 hrs
TPA 2210  Stagecraft I  3 hrs
TPA 2210L  Stagecraft I Lab  1 hr
TPA 2220C  Stage Electronics  3 hrs
TPA 2220L  Stagecraft II Lab  1 hr
TPA 2220C  CADD for Theatre  2 hrs
General Education  3 hrs

Freshman Year - Spring 16 hrs
TPA 2220C  Stage Electronics  3 hrs
TPA 2220L  Stagecraft II Lab  1 hr
TPA 2220C  CADD for Theatre  2 hrs
TPA 2600  Stage Management Basics  3 hrs
TPA 2305  Script Analysis for Theatre  3 hrs

Part of GEP
### UCF Degree Programs

#### Theatre - Musical Theatre Track (B.F.A.)

**College of Arts and Humanities**

**Department of Theatre,**

**Performing Arts Center, Room: 210A**


Dr Steven Chicurel, Steven.Chicurel@ucf.edu

Phone: 407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience 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 major** 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](http://www.theatre.ucf.edu).
- **A candidate must present an audition consisting of one monologue and two musical selections.** The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu) for details.
- All students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

#### Degree Requirements

- **Students who change degree programs and select this major** must adopt the most current catalog.
- **Students must adopt the most current internship manual upon registration for their internship.** Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- **Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.**
- **Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits.** Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve, probation is lifted. If grades do not improve, the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

#### Course Descriptions

<table>
<thead>
<tr>
<th>Freshman Year - Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3195L Summer Theatre Studio/Tech/Design I</td>
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<tr>
<td>TPA 3197L Summer Theatre Studio/Tech/Design II</td>
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<tr>
<td>Sophomore Year - Fall</td>
<td>12 hrs</td>
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<tr>
<td>THE 3311 Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4251C Advanced CAD/D for Theatre</td>
<td>2 hrs</td>
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<tr>
<td>THE 2925L Theatre Participation</td>
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<tr>
<td>TPA 3077C Scene Painting</td>
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<td>TPA 2600 Stage Management Basics</td>
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<td>THE 3312 Theatre History and Dramatic Literature II</td>
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<td>TPA 4384C Advanced Topics in Technical Theatre</td>
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<td>General Education</td>
<td>3 hrs</td>
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<td>Junior Year - Fall</td>
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<tr>
<td>THE 3313 Theatre History and Dramatic Literature III</td>
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<td>TPP 2111C Acting I - Introduction</td>
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<td>General Education</td>
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<td>Select 1:</td>
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<tr>
<td>TPA 3060C Scenic Design for Theatre I or</td>
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<tr>
<td>TPA 3045C Costume Design for Theatre I</td>
<td>3 hrs</td>
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<td>Junior Year - Spring</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3265C Sound Design for Theatre I or</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3223C Lighting Design for Theatre I</td>
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<td>TPA 4066C Advanced Scenography</td>
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<td>THE 2925L Theatre Participation</td>
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<td>Junior Year - Summer</td>
<td>6 hrs</td>
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<tr>
<td>TPP 4940L Theatre Internship</td>
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<td>15 hrs</td>
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<td>THE 4284 Period Costume, Architecture, and Decor I</td>
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<tr>
<td>TPP 3311C Directing for Theatre I</td>
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<tr>
<td>THE 4954 Theatre Exit Critique</td>
<td>0 hrs</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<td>TPA 3080C Scenic Design for Theatre I or</td>
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<tr>
<td>TPA 3045C Costume Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Spring</td>
<td>12 hrs</td>
</tr>
<tr>
<td>THE 4285 Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
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<tr>
<td>General Education</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3265C Sound Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3223C Lighting Design for Theatre I</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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

#### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

Co-op cannot be used in this major.

Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

Students must follow the most recent department student handbook which are available on the department website at http://www.theatre.ucf.edu.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required THE 2020 Survey of Theatre for Majors 3 hrs

Select one course from B.1 list 3 hrs

Select one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics or 3 hrs

May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

U.S. History Requirement: None

Foreign Language Requirement: None

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.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required THE 2020 Survey of Theatre for Majors 3 hrs

Select one course from B.1 list 3 hrs

Select one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics or 3 hrs

May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs
10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course.
- Maintain a Theatre GPA of “B” (3.0) or better.
- Complete an Exit Survey, Exit Interview, and Audit
- Check the semester prior to final semester of theatre classes.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1063C or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 129

Honors In Major

- None

Related Programs

- Film
- Music
- Theatre Studies

Certificates

- None

Related Minors

- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes

- None

Transfer Notes

- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  1. THE 2020 Survey of Theatre for Majors
     - 3 hrs
     - May be substituted with: THE 2305 Script Analysis for Theatre
       - 3 hrs
     - May be substituted with: TPA 2210
       - 2 hrs
     - May be substituted with: TPA 2210 Introduction to Technical Theatre
       - 2 hrs
     - May be substituted with: TPA 2200
       - 2 hrs
     - May be substituted with: TPA 2200 Introduction to Technical Theatre
       - 2 hrs
     - May be substituted with: TPP 2300
       - 3 hrs
   
1. May use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study

**Freshman Year - Fall**

- THE 2020 Survey of Theatre for Majors
  - 3 hrs
- DAA 2200C Ballet I
  - 2 hrs
- THE 2305 Script Analysis for Theatre
  - 3 hrs
- General Education
  - 3 hrs
- General Education
  - 3 hrs
- THE 2925L Theatre Participation
  - 1 hr

**Freshman Year - Spring**

- TPP 2110C Acting I - Introduction
  - 3 hrs
- TPP 3257C Musical Theatre Voice I
  - 2 hrs
- DAA 2201C Ballet II
  - 2 hrs
- General Education
  - 3 hrs
- THE 2925L Theatre Participation
  - 1 hr
- MUT 1121 Music Theory and Musicianship I
  - 4 hrs

**Sophomore Year - Fall**

- TPP 2170C Acting II - The Actor Prepares
  - 3 hrs
- THE 4244 Musical Theatre History I
  - 3 hrs
- DAA 2570C Jazz Dance I
  - 2 hrs
- TPP 3251 Musical Theatre Acting I
  - 3 hrs
- TPP 3258C Musical Theatre Voice II
  - 2 hrs
- MUT 1122 Music Theory and Musicianship II
  - 4 hrs

**Sophomore Year - Spring**

- DAA 2571C Jazz Dance II
  - 2 hrs
- TPP 3173C Acting III - Building the Character
  - 3 hrs
- THE 3311 Theatre History and Dramatic Literature I
  - 3 hrs
- TPP 4259C Musical Theatre Voice III
  - 2 hrs
- General Education
  - 3 hrs
- TPA 2200 Introduction to Technical Theatre
  - 2 hrs
- TPA 2200L Intro to Technical Theatre Lab
  - 1 hr

**Junior Year - Fall**

- TPA 2248C Makeup Techniques
  - 2 hrs
- THE 4245 Musical Theatre History II
  - 3 hrs
- TPP 4140C Acting IV - Creating the Role
  - 3 hrs
- TPP 4493C Musical Theatre Voice IV
  - 2 hrs
- General Education
  - 3 hrs
- THE 2925L Theatre Participation
  - 1 hr

**Junior Year - Spring**

- TPA 4223C Theatre Careers for Performance
  - 3 hrs
- TPP 4270C Music Theatre Voice V
  - 2 hrs
- THE 3312 Theatre History and Dramatic Literature II
  - 3 hrs
- TPP 3252 Musical Theatre Acting II
  - 3 hrs
- General Education
  - 3 hrs
- THE 2925L Theatre Participation
  - 1 hr

**Junior Year - Summer**

- TPA 4940L Theatre Internship
  - 6 hrs

**Senior Year - Fall**

- TPP 3301C Directing for Theatre I
  - 3 hrs
- DAA 2520C Tap Dance I
  - 2 hrs
- General Education
  - 3 hrs
- THE 4954 Theatre Exit Critique
  - 0 hrs
- General Education
  - 3 hrs
- General Education
  - 3 hrs
- Theatre Elective
  - 2 hrs

**Senior Year - Spring**

- Movement Elective
  - 2 hrs
- General Education
  - 3 hrs
- General Education
  - 3 hrs
- General Education
  - 3 hrs
- Theatre Elective
  - 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Theatre Studies (B.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Phone: 407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15 for returning students and are available on our department website. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August prior to the Fall semester.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their 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.

Degree Requirements
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required THE 2020 Survey of Theatre for Majors 3 hrs
Select one course from B.1 list 3 hrs
Select one course from B.2 list 3 hrs
C: Mathematical Foundations (6 hrs)
Math: 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors GEP
THE 2305 Script Analysis for Theatre 3 hrs
THE 2520L Theatre Participation 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
TPA 2290L Theatre Participation-Production II 1 hr
TPA 2290L Theatre Participation-Production II or 1 hr
TPP 2110C Acting I - Introduction 3 hrs
Theatre Elective (THE, TPA, TPA Prefix) 9 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (13 hrs)
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
TPP 3310C Directing for Theatre I 3 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1: 1 hr
TPA 4298L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (13 hrs)
- Any THE, TPA, TPC, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. When no official minor is offered, students may complete an 18-credit-hour area of concentration when pre-approved by the Undergraduate Coordinator.

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production and pass each section evaluated the semester prior to final semester of theatre classes.
- Complete an Exit Survey and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 40 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

Advising Notes
- None

Transfer Notes
- Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- THE 2020 Survey of Theatre for Majors 3 hrs
- may be substituted with:
  - THE 2305 Script Analysis for Theatre 3 hrs
  - TPP 2110C Acting I - Introduction 3 hrs
- 30 of the last 39 hours of course work must be completed in residency at UCF.

Plan of Study

Freshman Year - Fall 15 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- General Education 3 hrs
- ENC 1101 Composition I 3 hrs
- General Education 3 hrs

Freshman Year - Spring 15 hrs
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- General Education 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs

Sophomore Year - Fall 16 hrs
- General Education 3 hrs
- Theatre Elective 3 hrs
- THE 2925L Theatre Participation 1 hr
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Sophomore Year - Spring 15 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Fall 13 hrs
- TPA 2200L Theatre Participation-Production I 1 hr
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- General Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Spring 16 hrs
- General Elective 3 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- General Elective 3 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- General Elective 3 hrs
- General Elective 3 hrs

Senior Year - Fall 15 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- General Elective 3 hrs
- Theatre Elective 2 hrs
- THE 2925L Theatre Participation 1 hr
- General Elective 3 hrs
- General Elective 3 hrs
- General Elective 3 hrs

Senior Year - Spring 15 hrs
- General Elective 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs
- Theatre Elective 3 hrs
- Theatre Elective 3 hrs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

World Languages Education-French (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The World Languages Education - French B.S. program offers students the option of two tracks: World Languages Education - French Track and World Languages Education - French Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted), The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program course from section B1 to meet Gordon Rule Requirement

Select 1:
Prefer MUL 1010 Enjoyment of Music or 3 hrs
Prefer THE 2000 Theatre Survey or 3 hrs
Prefer PHI 2400 Introduction to Philosophy 3 hrs
General Education Program course: Prefer a second course from GEP section B1

Select 1:
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

Select 1:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

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

Select 1:
Prefer ANT 2511 The Human Species or 3 hrs
Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
FRE 2201 Survey of French Civilization II 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours

Education Track
EDF 2130 Child and Adolescent Development for Educators 3 hrs

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

Lifelong Learning Track
MHS 2330 Career Planning 6 hrs

Select 1:
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements (18 hrs)
1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
1 EDF 4467 Learning Theory and Assessment 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESL 3 hrs
3 EME 2040 Introduction to Technology for Educators 3 hrs
2 RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
2 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
2 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

1 Pre-requisite for Internship (Education Track)
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Undergraduate Catalog 2015-2016
Deadline dates and applications are available through the Practice of Teaching ESOL Students in Schools. Kindergarten through Grade 12, and TSL 4080 Theory and Assessment, RED 4043 Content Reading Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools. Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu. FLE 3940 Internship 3 hrs

Other Cognate Requirements (Linguistics) 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Internship II 12 hrs
At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
Passing scores on all sections [General Knowledge, Professional, and Subject Area (French K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
Students must apply and be approved for Internship II.
Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
FLE 3940 Internship 3 hrs

Lifelong Learning Track Specialization 39 hrs
Requirements
Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
A grade of “C-“(1.75) or better is required.
Must have a total of 48 or more hours of upper level courses to graduate.
FRE 3760 Advanced French Oral Communication 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
Upper division electives (FRE/FRW 3/4000 with advisor’s consent) 3 hrs
FLE 3333 Foreign Language Teaching in the Classroom 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
COM 3311 Communication Research Methods 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 3425 Group Interaction and Decision-Making 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 4331 Nonverbal Communication 3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum 2.5 GPA in all courses within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
Education Track
Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).
**U.S. Degree Programs**

### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

### Total Semester Hours Required
- **120**

### Honors In Major
- **None**

### Related Programs
- **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**
  - ENC 1101 Composition I 3 hrs
  - PSY 2012 General Psychology 3 hrs
  - GEP B1 Elective 3 hrs
- **Select 1:**
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

#### Freshman Year - Spring
- **12 hrs**
  - GEP B3 Elective (Prefer course from section B!) 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**
  - **Select 1:**
    - MUL 2101 Enjoyment of Music or 3 hrs
    - THE 2000 Theatre Survey or 3 hrs
    - PHI 2101 Introduction to Philosophy 3 hrs
    - SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Fall
- **15 hrs**
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - FRE 2201 Intermediate French Language and Civilization II 3 hrs
- **Select 1:**
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- **Select 1:**
  - ANT 2511 The Human Species or 3 hrs
  - BSC 1005 Biological Principles 3 hrs

#### Education Track
- **3 hrs**
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs

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

#### Sophomore Year - Spring
- **12 hrs**
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - FRE 3300 French Grammar 3 hrs
  - FRW 3100 Survey of French Literature I 3 hrs

#### Sophomore Year - Summer
- **3 hrs**
  - FRE 3420 French Composition 3 hrs

#### Junior Year - Fall
- **12 hrs**
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESL for Students in Schools 3 hrs

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

#### Education Track
- **12 hrs**
  - FRE 4422 Advanced French Composition and Civilization 3 hrs
  - FRE 3780 French Phonetics and Diction and Civilization II 3 hrs
  - FRE 3670 Advanced French Oral Communication and Civilization II 3 hrs
  - FRW 3101 Survey of French Literature II 3 hrs

#### Lifelong Learning Track
- **6 hrs**
  - MHS 2330 Career Planning and Placement 3 hrs
  - Choose Lifelong Learning Specialization courses 3 hrs

#### Junior Year - Summer
- **9 hrs**
  - **1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs**

#### Education Track
- **6 hrs**
  - FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
  - FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

#### Lifelong Learning Track
- **6 hrs**
  - Choose Lifelong Learning Specialization courses 6 hrs

### Program Academic Learning Compacts
- **Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- **Part-Time Student: $12 per term**
- **Full-Time Student: $24 per term**

### World Languages Education-Spanish (B.S.)
- **College of Education and Human Performance**
- **School of Teaching, Learning, and Leadership**
- **Education Building, Room: 209**

- [http://www.education.ucf.edu/languages](http://www.education.ucf.edu/languages)
- Email: kverkler@mail.ucf.edu
- Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
- Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The World Languages Education - Spanish B.S. program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment.
with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program course from Section B1 to meet Gordon Rule Requirement 3 hrs

   **Select 1:**
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

2. **Social Foundations** (6 hrs)

   **Select 1:**
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

3. **Science Foundations** (6 hrs)

   **Select 1:**
   - Prefer ANT 2511 The Human Species or 3 hrs
   - Prefer BSC 1005 Biological Principles 3 hrs

4. **Common Program Prerequisites (CPP)** (21 hrs)

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

   **EDF 2005** Introduction to the Teaching Profession 3 hrs
   **EDF 2085** Introduction to Diversity for Educators 3 hrs
   **EME 2040** Introduction to Technology for Educators 3 hrs
   **SPN 2201** Intermediate Spanish Language and Civilization II 3 hrs
   **SPN 3300** Advanced Spanish Grammar and Composition 3 hrs
   **SPN 3420** Spanish Composition 3 hrs
   **SPW 3100** Survey of Spanish Literature I 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

3. **Core Requirements: Basic Level** (3 hrs)

- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Students should consult advisor regarding course options.

   **Education Track**
   - **EDF 2130** Child and Adolescent Development for Educators 3 hrs
   - **SPN 2201** Intermediate Spanish Language and Civilization II 3 hrs
   - **SPN 3300** Advanced Spanish Grammar and Composition 3 hrs
   - **SPW 3100** Survey of Spanish Literature I 3 hrs

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

4. **Core Requirements: Advanced Level** (57 hrs)

- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

   **Education Core Requirements** (18 hrs)
   - **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
   - **EDF 4467** Learning Theory and Assessment 3 hrs
   - **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   - **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
   - **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
   - **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 Pre-requisite for Internship I (Education Track)

2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

**Education Track Specialization Requirements** (21 hrs)

- **FLE 4333** Foreign Language Teaching in the Secondary School 3 hrs
- **FLE 4314** Foreign Language Teaching in Elementary Schools 3 hrs
- **SPN 3760** Advanced Spanish Oral Communication 3 hrs
- **SPW 3101** Survey of Spanish Literature II 3 hrs
- **SPN 3344** Advanced Spanish Native Fluency I 3 hrs
- **SPN 3345** Advanced Spanish Native Fluency II 3 hrs
- **SPN 4520** Latin American Civilization and Culture 3 hrs

1 Required prior to Internship I

2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

**Upper Division Restricted Electives** (6 hrs)

- Florida College System institution transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
  - **SPN 4410** Advanced Spanish Conversation 3 hrs
  - **SPN 4421** Advanced Spanish Composition 3 hrs
  - **SPN 4510** Spanish Civilization and Culture 3 hrs
UCF Degree Programs

Other Cognate Requirements 3 hrs
Select 1: 3 hrs
SPN 3852 Bilinguismo or 3 hrs
SPN 4800 Spanish-American Syntax or 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs

Internship I 3 hrs
■ Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESL. 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 Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-4.002.

FLE 4390 Internship 3 hrs

Internship II Block 12 hrs
■ At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
■ Passing scores on all sections [General Knowledge, Professional, and Subject Area (Spanish K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-4.002.

FLE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 39 hrs
■ Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
■ A grade of "C-" (1.75) or better is required.
■ Must have a total of 48 or more hours of upper level courses to graduate.

SPN 3760 Advanced Spanish Oral Communication 3 hrs
SPN 3101 Survey of Spanish Literature II 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
SPN 4421 Advanced Spanish Composition 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 3852 Bilinguismo 3 hrs
SPN 4800 Spanish-American Syntax 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs
Upper division electives (SPN 34XXX with advisor's consent) 3 hrs

FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
COM 3311 Communication Research Methods 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 3425C Group Interaction and Decision-Making 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 4331 Nonverbal Communication 3 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
■ Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Recommended Four Year Sequence of Courses

**Freshman Year - Fall**
- 12 hrs
  - GEP B1 Elective 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring**
- 12 hrs
  - GEP B3 Elective ( Prefer course from section B1) 3 hrs
  - ENC 1102 Composition II 3 hrs
  - POS 2041 American National Government 3 hrs
  - PSC 1121 Physical Science 3 hrs

**Freshman Year - Summer**
- 6 hrs
  - SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

**Select 1:**
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**
- 15 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

**Select 1:**
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

**Education Track**
- 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs

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

**Sophomore Year - Spring**
- 12 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - SPN 3420 Spanish Composition 3 hrs

**Select 1:**
- 3 hrs
  - BSC 1005 Biological Principles or 3 hrs
  - ANT 2511 The Human Species 3 hrs

**Sophomore Year - Summer**
- 3 hrs
  - SPW 3100 Survey of Spanish Literature I 3 hrs

**Junior Year - Fall**
- 15 hrs
  - EDF 4410 Teaching Strategies and Classroom Management 3 hrs

**Education Track**
- 12 hrs
  - SPN 3344 Advanced Spanish Native Fluency I and 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication and 3 hrs
  - SPW 3101 Survey of Spanish Literature I and 3 hrs
  - SPN 4520 Latin American Civilization and Culture 3 hrs

**Lifelong Learning Track**
- 12 hrs
  - Choose Lifelong Learning Specialization courses 12 hrs

**Junior Year - Spring**
- 12 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Education Track**
- 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Lifelong Learning Track**
- 3 hrs
  - MHS 2330 Career Planning 3 hrs

**Junior Year - Summer**
- 9 hrs
  - 1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

**Education Track**
- 6 hrs
  - FLE 4314 Foreign Language Teaching in Elementary Schools and 3 hrs
  - FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

**Lifelong Learning Track**
- 6 hrs
  - Choose Lifelong Learning Specialization courses 6 hrs

1 This course may be taken in the Fall of the senior year with consent of Instructor.

**Senior Year - Fall**
- 12 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

**Education Track**
- 3 hrs
  - FLE 3940 Internship 3 hrs

**Select 1:**
- 3 hrs
  - SPN 4410 Advanced Spanish Conversation or 3 hrs
  - SPN 4421 Advanced Spanish Composition or 3 hrs

**Senior Year - Spring**
- 12 hrs
  - FLE 4941 Internship 12 hrs

**Lifelong Learning Track**
- 12 hrs
  - Choose Lifelong Learning Specialization courses 12 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/academiclearningcompacts.html

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
Department of Writing and Rhetoric

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each course used to fulfill the requirements of the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy major requirements, and a minimum 2.0 GPA across all 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)
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

D: Social Foundations (6 hrs)
- Prefer AH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)
- Prefer PH 2030 Introduction to Science 3 hrs

2. Common Program Prerequisites (CPP)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
- Students should take these courses as early in the program as possible.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3502 Researching Writing and Literacy 3 hrs
- ENG 3836 Professional Lives and Literacy Practices 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- Extending Theories and Histories of Writing, Rhetoric, and Literacy
  - Students must take at least 6 hours from this category.
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 4374 Gendered Rhetorics 3 hrs
  - ENC 4434 Visual and Material Rhetorics 3 hrs
  - ENC 3417 Literacy and Technology 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3503 Topics in Writing & Literacy Studies 3 hrs

5. Restricted Electives (18 hrs)
- Applications of Writing and Rhetoric 9 hrs
- Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters.

6. Capstone Requirements (3 hrs)
- ENC 4379 Writing and Rhetoric Capstone 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor, certificate, or approved program of study (at least 18 hours). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.
- Can be Minor, Certificate, or Approved Area of Study
- 18 hours minimum.
- No more than 6 hours can overlap with courses used to satisfy the major.

11. Departmental Exit Requirements
- Students must complete an electronic writing portfolio that meets program requirements. This e-portfolio will be completed as part of ENC 4379 (Writing and Rhetoric Capstone), and must be approved by the student’s ENC 4379 instructor and the program director or designee.
- 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.

UCF Degree Programs

Writing and Rhetoric (B.A.)

College of Arts and Humanities

Department of Writing and Rhetoric

Email: writingandrhetoric@ucf.edu

Dr. Blake Scott, Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349

The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetorical, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each course used to fulfill the requirements of the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy major requirements, and a minimum 2.0 GPA across all 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)
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

D: Social Foundations (6 hrs)
- Prefer AH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)
- Prefer PH 2030 Introduction to Science 3 hrs

2. Common Program Prerequisites (CPP)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
- Students should take these courses as early in the program as possible.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3502 Researching Writing and Literacy 3 hrs
- ENG 3836 Professional Lives and Literacy Practices 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- Extending Theories and Histories of Writing, Rhetoric, and Literacy
  - Students must take at least 6 hours from this category.
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 4374 Gendered Rhetorics 3 hrs
  - ENC 4434 Visual and Material Rhetorics 3 hrs
  - ENC 3417 Literacy and Technology 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3503 Topics in Writing & Literacy Studies 3 hrs

5. Restricted Electives (18 hrs)
- Applications of Writing and Rhetoric 9 hrs
- Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters.

6. Capstone Requirements (3 hrs)
- ENC 4379 Writing and Rhetoric Capstone 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor, certificate, or approved program of study (at least 18 hours). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.
- Can be Minor, Certificate, or Approved Area of Study
- 18 hours minimum.
- No more than 6 hours can overlap with courses used to satisfy the major.

11. Departmental Exit Requirements
- Students must complete an electronic writing portfolio that meets program requirements. This e-portfolio will be completed as part of ENC 4379 (Writing and Rhetoric Capstone), and must be approved by the student’s ENC 4379 instructor and the program director or designee.
- 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.

UNIVERSITY OF CENTRAL FLORIDA
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Successful completion and oral defense of Honors thesis.

**Related Programs**
- Interdisciplinary Studies

**Certificates**
- Health Communication

**Related Minors**
- Legal Studies
- Education
- Digital Media
- History
- Political Science
- Interpersonal/Organizational Communication
- Journalism Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Public Administration
- Nonprofit Management/National Certification in Nonprofit Management
- Information Technology
- Entrepreneurship
- International and Global Studies
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication

**Advising Notes**
- None

**Transfer Notes**
- Transfer courses in which students earned lower than a "C" (2.0) will not be accepted.
- Lower-level courses taken at community or state colleges do not substitute for upper-level courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- POS 2041 American National Government 3 hrs
- GEP 3 hrs
- GEP 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP 3 hrs
- GEP 3 hrs

**Sophomore Year - Fall**
- PHI 2010 Introduction to Philosophy 3 hrs
- GEP 3 hrs
- Core Course 3 hrs
- Foreign Language Course 4 hrs
- Course in Minor/Certificate/Program of Study 3 hrs

**Sophomore Year - Spring**
- Core Course 3 hrs
- Core Course 3 hrs
- Foreign Language Course 4 hrs
- Course in Minor/Certificate/Program of Study 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Course in Minor/Certificate/Program of Study 3 hrs
- Elective 3 hrs

**Junior Year - Spring**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Course in Minor/Certificate/Program of Study 3 hrs
- Elective 3 hrs

**Senior Year - Fall**
- ENC 4944 Writing Internship 3 hrs
- Advised Elective 3 hrs
- Course in Minor/Certificate/Program of Study 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Senior Year - Spring**
- ENC 4379 Writing and Rhetoric Capstone 3 hrs
- Advised Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html
## 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.

### Minors

- Accounting
- Actuarial Science
- Aerospace Studies
- Africana Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art Education
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Humanities
- Digital Media
- Diplomacy
- Diversity and Social Inequality
- Early Childhood
  - Development and Education
- Economics
- Education
- Emergency Management
  - and Homeland Security
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Event Management
- Exceptional Student Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Florida Studies
- French
- Global Peace and Security Studies
- Health Informatics
  - and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Human Communication
- Human Services
- Humanities and Cultural Studies
- Information Technology
- Intelligence and National Security
- Intelligent Robotic Systems
- International and Global Studies
- International Business
- International Engineering
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematical Biology
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nanoscale Science and Technology
- Nonprofit Management/National Certification in Nonprofit Management
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Religion and Cultural Studies
- Russian Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Terrorism Studies
- Theatre
- Urban and Regional Planning
- Women’s and Gender Studies
- World Comparative Studies
- World Languages Education:
  - English for Speakers of Other Languages
  - Languages Other Than English
- Writing and Rhetoric

### Certificates

- Aging Studies Certificate
- Anthropology of Global Health Certificate
- Behavioral Forensics Certificate
- Children’s Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Engineering Leadership Certificate
- Entrepreneurship Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Gender Studies Certificate
- Health Communication Certificate
- Human Biology Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Native American Studies Certificate
- Nonprofit Management Certificate
- Professional Selling and Sales Management Certificate
- Public and Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate

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.
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101
http://web.bus.ucf.edu/accounting
Phone: 407-823-2184

For Business and Non-Business Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ACG 3131 Intermediate Financial Accounting 3 hrs

Restricted Electives (12 hrs)
Select 4:
■ At least three courses must have either an ACG or TAX prefix
ACG 3361 Cost Accounting I 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4453 Financial Models 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
■ Students need to complete the prerequisite courses.

Minor Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
■ Students are expected to have completed some of the following courses as part of their GEP requirement.

Total Semester Hours Required
■ 21

Other Requirements
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Any course substitutions must be approved by the program coordinator in advance of their being taken.

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, Classroom Building 2, Room: 221
Colonel Todd M. Lance Kildron
Phone: 407-823-1247

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
AER 2011C Introduction to Aerospace Science 3 hrs
AER 2012C Dynamics and Statics 3 hrs
AER 2021C Thermodynamics 3 hrs
AER 2022C Introduction to Fluids 3 hrs
AER 2023C Fundamentals of Aerodynamics 3 hrs
AER 2024C Introduction to Propulsion 3 hrs
AER 2025C Introduction to Flight Mechanics 3 hrs
AER 2026C Introduction to Launch Vehicles 3 hrs
AER 2027C Introduction toSpacecraft Design 3 hrs
AER 2028C Introduction to Space Science and Exploration 3 hrs
AER 2029C Introduction to Space Policy 3 hrs
AER 4011C Advanced Thermodynamics 3 hrs
AER 4012C Advanced Fluids 3 hrs
AER 4013C Advanced Aerodynamics 3 hrs
AER 4014C Advanced Propulsion 3 hrs
AER 4015C Advanced Flight Mechanics 3 hrs
AER 4016C Advanced Launch Vehicles 3 hrs
AER 4017C Advanced Spacecraft Design 3 hrs
AER 4018C Advanced Space Science and Exploration 3 hrs
AER 4019C Advanced Space Policy 3 hrs

No additional courses are required.

Foreign Language Requirements
■ No Foreign Language is required.

Total Semester Hours Required
■ 21

Other Requirements
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Any course substitutions must be approved by the program coordinator in advance of their being taken.
Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Africana Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 110
http://www.aas.cah.ucf.edu/
Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- Introduction to Africana Studies: A Multidisciplinary Approach
- The Black Intellectual Experience
- The African Diaspora: Theories and Movements

Select one:
- Contemporary Issues in Africana Studies
- Documenting Africana Heritage and Life

Restricted Electives
- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from the following areas of specialization:

General-Interdisciplinary
- Select two from the following
- Narratives of Slavery
- Slavery, Resistance, and Cultural Dynamics
- Among African People in the Americas
- Black Cinema
- Politics of Pan-Africanism
- African Caribbean Experience
- Caribbean Literature
- Psychology of Prejudice
- Race and Ethnicity
- Women, Race and Struggle
- Pan-Africanist Thought

Caribbean/Central, South America
- Select two from the following
- Study Abroad in Eastern Caribbean
- Harlem, Haiti, and Havana
- Caribbean Cultures
- Black Cinema

North American
- Select two from the following
- African American Music
- Evolution of Hip Hop
- Malcolm X, Black Nationalism, and Internationalism
- History of the South Since 1865
- Black American History II
- Narratives of Slavery
- Topics in African-American Literature
- Harlem, Haiti, and Havana
- Black/Seminole Relations
- Black Cinema
- Evolution of Jazz
- African-American Philosophy
- Politics and Civil Rights
- Minority in American Politics

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

Aging Studies - Minor

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.
Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SYP 4941 Internship 3 hrs
  - 1 SOW 4510 Field Education 9 hrs
  - 2 SOW 4941 Internship 9 hrs

1 For full-time social work majors. Cannot be used with SOW 4941.
2 For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)
- Students select FOUR additional courses from the following courses: A maximum of TWO courses must be taken in the College of Health and Public Affairs and at least TWO courses must be taken from other colleges.

College of Health and Public Affairs
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 15 credit hours must be earned in upper level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 6 hours may be taken in one area.

American Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 201
http://www.cah.ucf.edu/
Delia Garcia, Delia.Garcia@ucf.edu
Phone: 407-823-3312

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Literature and Humanities 3 hrs
  - Select 1: 3 hrs
    - AML 3031 American Literature I or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4261 Literature of the South or 3 hrs
    - AML 3682 Ethnic Literature in America 3 hrs

- Social Sciences 3 hrs
  - Select 1: 3 hrs
    - POS 3413 The American Presidency or 3 hrs
    - POT 3204 American Political Thought or 3 hrs
    - SYD 3700 Race and Ethnicity or 3 hrs
    - SYP 3630 Popular Culture in Society 3 hrs

- History 3 hrs
  - Select 1: 3 hrs
    - 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 (9 hrs)
  - 9 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 15 credit hours must be earned in upper level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 6 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
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 6 hours may be taken in one area.

Required Courses
- (3 hrs)
  - ANT 2000 General Anthropology

- College of Arts and Humanities
  - Colbourn Hall, Room: 201
  - http://www.cah.ucf.edu/
  - Delia Garcia, Delia.Garcia@ucf.edu
  - Phone: 407-823-3312

- College of Health and Public Affairs
  - HSA 4220 Long Term Patient Management 3 hrs
  - HSA 3222 Long Term Care and Administration 3 hrs
  - HSC 4564 Health Care Needs of the Elderly 3 hrs
  - PLA 4530 Legal Issues of the Elderly 3 hrs
  - SOW 4510 Field Education 9 hrs
  - SOW 4941 Internship 9 hrs

1 Open to undergraduates with senior standing

- Other Colleges
  - DEP 3464 Psychology of Aging 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - GEY 5007 Women and Healthy Aging 3 hrs
  - SYP 4732 Minority Aging 3 hrs

- Other Requirements
  - A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
  - At least 12 hours used in the minor must be earned at UCF.
  - 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 6 hours may be taken in one area.
## Minors

### A. Concentration in General Anthropology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- ANT 2511 The Human Species 3 hrs
- Select additional upper level (3000-5999) Anthropology courses 6 hrs

### B. Concentration in Archaeology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

### Complete at least four of the following courses; (12 hrs)
- ANT 3106 Archaeology and Popular Culture or 3 hrs
- ANT 3115 Archaeological Method and Theory or 3 hrs
- ANT 3142 Old World Prehistory or 3 hrs
- ANT 3145 Archaeology of Complex Societies or 3 hrs
- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or 3 hrs
- ANT 3158 Florida Archaeology or 3 hrs
- ANT 3160 Americas Before Columbus or 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec or 3 hrs
- ANT 3163 Mesoamerican Archaeology or 3 hrs
- ANT 3164 Ancient Incas or 3 hrs
- ANT 3165 Archaeology of South America or 3 hrs
- ANT 3168 Maya Archaeology or 3 hrs
- ANT 3173 Archaeology of Sex or 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy or 3 hrs
- ANT 4153 North American Archaeology or 3 hrs
- ANT 4180C Seminar in Laboratory Analysis or 3 hrs
- ANT 4183 Archaeological Sciences or 3 hrs
- ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork or 9 hrs
- ANG 5166 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography or 3 hrs
- ANG 5822 Maya Field Research 3 hrs

### C. Concentration in Physical Anthropology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- Select from the following courses; (12 hrs)
  - ANT 3148 Life and Death in Ancient Egypt or 3 hrs
  - ANT 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 3550C Primatology or 3 hrs
  - ANT 4183 Archaeological Sciences or 3 hrs
  - ANT 4184 Mortuary Archaeology or 3 hrs
  - ANT 4462 Medical Anthropology or 3 hrs
  - ANT 4467 Nutritional Anthropology or 3 hrs
  - ANT 4516 Human Biological Diversity or 3 hrs
  - ANT 4521 Forensic Anthropology or 3 hrs
  - ANT 4525C Human Osteology or 4 hrs
  - ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth or 3 hrs
  - ANT 4586C Human Origins 3 hrs

### D. Concentration in Cultural Anthropology (15 hrs)
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- Select from the following courses; (12 hrs)
  - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or 3 hrs
  - ANT 3164 Ancient Incas or 3 hrs
  - ANT 3212 Peoples of the World or 3 hrs
  - ANT 3241 Magic, Ritual, and Belief or 3 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - ANT 3262 Rural Society or 3 hrs
  - ANT 3273 Law and Culture or 3 hrs
  - ANT 3302 Sex, Gender and Culture or 3 hrs
  - ANT 3311 Indians of the Southeastern United States or 3 hrs
  - ANT 3312 Ethnology of North American Indians or 3 hrs
  - ANT 3313 Indians of North America High Plains or 3 hrs
- ANT 3398 Black/Seminole Relations or 3 hrs
- 1ANT 4332 People and Cultures of Latin America or 3 hrs
- 1ANT 4303 Anthropology of Tourism or 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology or 3 hrs
- 1ANT 4702 Culture, Inequality and Global Development or 3 hrs
- ANT 4802 Ethnographic Field Methods or 3 hrs
- 1ANT 3610 Language and Culture or 3 hrs
- 1ANT 4340 Caribbean Cultures or 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or 3 hrs
- ANT 4034 History of Anthropological Thought or 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
- ANT 4352 African Societies and Cultures or 3 hrs
- ANT 4408 Culture, Disease, and Healing or 3 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography or 3 hrs
- ANG 5622 Language, Culture and Pedagogy 3 hrs

1 or its graduate equivalent.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

### Anthropology in Multicultural Studies - Minor

#### College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

http://www.cos.ucf.edu/anthropology

Email: anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

### Minor Admission Requirements
- None

### Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (3 hrs)
- Select from:
  - ANT 2000 General Anthropology or 3 hrs
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs

### Restricted Electives (15 hrs)
- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
  - ANT 3164 Ancient Incas 3 hrs
  - ANT 3212 Peoples of the World or 3 hrs
  - ANT 3241 Magic, Ritual, and Belief or 3 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2300C Drawing Fundamentals I  3 hrs
ART 2301C Drawing Fundamentals II  3 hrs
ART 3950  Portfolio Review  0 hrs

Restricted Electives  (6 hrs)

ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Art Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership
http://education.ucf.edu/

Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art.

Admission Requirements

- Have a minimum 2.5 overall GPA.
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses

- None

Required Courses

Credit Hour Requirement  18 hrs
EDS 4410 Teaching Strategies and Classroom Management  3 hrs
EDF 4467 Learning Theory and Assessment  3 hrs
TSL 4080 Theory and Practice of Teaching ESOL  3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs
ARE 4351 Teaching Art in the Elementary School  3 hrs
ARE 4352 Teaching Art in the Secondary School  3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18
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

**Prerequisite Courses**
- None

**Required Courses**
- None

**Non-Western/Ancient Course Requirement**
- 3 hrs

**Select 4:** 12 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- ARH 4310 Italian Renaissance Art or 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art 3 hrs

**Restricted Electives**
- 3 hrs

**Select 1:** 3 hrs
- ARH 3670 20th Century Latin American Art or 3 hrs
- ARH 4130 Greek Art and Architecture or 3 hrs
- ARH 4150 Roman Art and Architecture or 3 hrs
- ARH 4540 Art of India or 3 hrs
- ARH 4653 Meso American Art 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

**Astronomy - Minor**

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (3 hrs)
  - HUM 3401 Asian Humanities 3 hrs

**Restricted Electives**
- (15 hrs)

- Since the total number of hours taken to complete the foreign language proficiency requirement will vary, the total number of elective hours required will vary as well. Please see the Program Director to review your specific circumstances.
- No more than two courses (six hours) can be taken under the same prefix.
  - ANT 3362 Peoples of Southeast Asia 3 hrs
  - ARH 4540 Art of India 3 hrs
  - ART 3824 Japanese Manga & Anime 3 hrs
  - ASH 4304 Women in China 3 hrs
  - ASH 4324 History & Culture of South Asia 3 hrs
  - ASH 4383 Imperialism & Decolonization in South Asia 3 hrs
  - ASH 4402 History of Chinese Civilization 3 hrs
  - ASH 4404 Modern China 3 hrs
  - ASH 4442 Modern Japan 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4541 Chinese Politics 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4225 The Vietnam War 3 hrs
  - REL 3340 Buddhist Thought 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3123 Asian Religions in America 3 hrs
  - LIT 3833 Modern Asian Literature 3 hrs
  - LIT 3834 Chinese Poetry in Translation 3 hrs
  - LIT 3835 Translated Modern Chinese Novels 3 hrs

**Foreign Language Requirements**
- One year or the equivalent proficiency examination (0 - 8 hrs) in Chinese or Japanese language. A maximum of 8 hours of language credits can be used to fulfill this requirement and towards the minor.

**Other Requirements**
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least 12 hours must be earned in upper level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.
- Requirement for the minor is 18-20 credits.

**Asian Studies - Minor**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

**http://www.mll.cah.ucf.edu/*

Dr. Humberto Lopez, hlopez@ucf.edu, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.
Prerequisite Courses
- Most courses for this minor will have prerequisites.
- Required as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses
- (19 hrs)
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - AST 4152 Planetary Geophysics 3 hrs
  - AST 3402 Galaxies and Cosmology 3 hrs
  - AST 4700 Experimental Methods in Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300.
- Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Advising Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (35 hrs)
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - PHY 2049C Physics for Engineers & Scientists II 4 hrs
  - 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 2211L Organic Laboratory Techniques I 2 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - EGN 4941 Internship 1 hr

Restricted Electives
- (6 hrs)
  - Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
- 6 hrs
  - Select 1: 3 hrs
    - EMA 5584 Biomaterials or 3 hrs
    - EML 5760 Biofluid Mechanics or 3 hrs
    - EEE 5272 Biomedical Sensors or 3 hrs
    - EEE 4111C Biological Process Control or 3 hrs
    - EIN 5248C Ergonomics 3 hrs
  - Select 1: 3 hrs
    - CAP 5512 Evolutionary Computation or 3 hrs
    - BCH 4053 Biochemistry I or 3 hrs
    - BSC 3403C Quantitative Biological Methods or 4 hrs
    - BSC 5418 Tissue Engineering or 3 hrs
    - MCB 3020C General Microbiology or 5 hrs
    - PCB 3522 Molecular Biology I or 3 hrs
    - PCB 3703C Human Physiology or 4 hrs
    - ZOO 3733C Human Anatomy or 4 hrs
    - ZOO 3744 Neurobiology or 3 hrs
    - PCB 3063 Genetics 3 hrs

Computer Science Track
- 6 hrs
  - Select 1: 3 hrs
    - CAP 5512 Evolutionary Computation or 3 hrs
    - COT 6417 Algorithms on Strings and Sequences 3 hrs
  - Select 1: 3 hrs
    - BCH 4053 Biochemistry I or 3 hrs
    - BSC 3403C Quantitative Biological Methods or 4 hrs
    - BSC 5418 Tissue Engineering or 3 hrs
    - MCB 3020C General Microbiology or 5 hrs
    - PCB 3522 Molecular Biology I or 3 hrs
    - PCB 3703C Human Physiology or 4 hrs
    - ZOO 3733C Human Anatomy or 4 hrs
    - ZOO 3744 Neurobiology or 3 hrs
    - PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Minor Admission Requirements
- Open only to engineering and computer science majors.
- A grade of "B" (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor

College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology

Email: biology@ucf.edu
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Biology.
Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C  Biology I  4 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- CHM 2040  Chemistry Fundamentals IA and 3 hrs
- CHM 2041  Chemistry Fundamentals IB  3 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 31

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C  Biology I  4 hrs
- MCB 3020C  General Microbiology  5 hrs
- PCB 3522  Molecular Biology I  3 hrs
- PCB 4524  Molecular Biology II  3 hrs
- BSC 3403C  Quantitative Biological Methods  4 hrs
- Select 1: 3 hrs
  - PCB 3233  Immunology or 3 hrs
  - PCB 4280  Molecular Immunology  3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Chemistry - Minor
College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemstaff@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- or 6 hrs
  - CHM 2040  Chemistry Fundamentals IA and 3 hrs
  - CHM 2041  Chemistry Fundamentals IB  3 hrs
Required Courses (22 hrs)

Prerequisite Courses

Minor Requirements

Exercise Science - Coaching Track majors.

available to Sport and Exercise Science Pending and Sport and in the 2001 Catalog Year and beyond. The Coaching Minor is not visit

For further information regarding the Athletic Coaching Endorsement, additional criteria outlined by the Florida Department of Education. Endorsement. Full eligibility for the endorsement may require coursework leading to partial fulfillment of the Athletic Coaching of Physical Education and sport. The Coaching Minor includes students who plan to coach and/or are seeking a career in the fields of sport and exercise. This Minor is available for students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

Minor Admission Requirements

Have a minimum 2.5 overall GPA

Minor Requirements

None

Prerequisite Courses

BSC 2010C Biology I (or equivalent) 4 hrs

Required Courses (22 hrs)

ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs

PET 3765 Coaching Theory 3 hrs

PET 4215 Motivational Aspects of Athletic Performance 3 hrs

PET 4763 Coaching Methods And Principles 3 hrs

SPM 3204 Sports and Ethics 3 hrs

ZOO 3736C Exercise Physiology Anatomy 4 hrs

Select 1:

PEO 3624 Coaching Basketball or 3 hrs

PEO 3644 Coaching Football or 3 hrs

PEO 3324 Coaching Volleyball or 3 hrs

PEO 3514C Coaching Soccer 3 hrs

Restricted Electives (8 hrs)

At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course

BCH 4103L Biochemical Methods 2 hrs

CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

CHM 3411L Physical Chemistry Laboratory 2 hrs

CHM 3215L Organic Laboratory Techniques II 2 hrs

CHM 4130 Advanced Analytical Laboratory Technique 3 hrs

CHM 5451C Techniques in Polymer Science 3 hrs

Group II:

BCH 4053 Biochemistry I 3 hrs

BCH 4054 Biochemistry II 3 hrs

CHS 4615 Environmental Chemistry 3 hrs

CHM 3410 Physical Chemistry I 4 hrs

CHM 3411 Physical Chemistry II 3 hrs

CHM 3422 Applied Physical Chemistry 3 hrs

CHM 4220 Organic Chemistry III 3 hrs

CHM 5225 Advanced Organic Chemistry 3 hrs

CHM 5235 Applied Molecular Spectroscopy 3 hrs

CHM 5450 Polymer Chemistry 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

28

Other Requirements

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Building, Room: 209

Dr. David Fukuka, David.Fukuka@ucf.edu, 407-823-0442

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

Minor Admission Requirements

Have a minimum 2.5 overall GPA

Minor Requirements

None

Prerequisite Courses

BSC 2010C Biology I (or equivalent) 4 hrs

Required Courses (22 hrs)

ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs

PET 3765 Coaching Theory 3 hrs

PET 4215 Motivational Aspects of Athletic Performance 3 hrs

PET 4763 Coaching Methods And Principles 3 hrs

SPM 3204 Sports and Ethics 3 hrs

ZOO 3736C Exercise Physiology Anatomy 4 hrs

Select 1:

PEO 3624 Coaching Basketball or 3 hrs

PEO 3644 Coaching Football or 3 hrs

PEO 3324 Coaching Volleyball or 3 hrs

PEO 3514C Coaching Soccer 3 hrs

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

22

Other Requirements

An overall GPA of 2.5 is required to satisfy the minor.

No grades below “C” (2.0) and no “S” grades will be accepted.

At least 12 hours used in the minor must be earned at UCF.

No TSD or Military credit may be used.

Internship or Independent Study credit cannot be used towards the minor.

Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

ZOO 2736C or equivalent is a prerequisite for ATR 4132.

Cognitive Sciences - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

http://philosophy.caah.ucf.edu/

Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu

Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (12 hrs)

Foundation Courses

Select from at least 4 subject areas.

Neuroscience 3 hrs

PSB 3002 Physiological Psychology or 3 hrs

PSB 4240C Neuropsychology or 4 hrs

ZOO 3744 Neurobiology 3 hrs

Philosophy 3 hrs

PHI 3320 Philosophy of Mind or 3 hrs

PHI 3323 Minds and Machines: Philosophy of 3 hrs

Cognitive Science or 3 hrs

PHI 3451 Philosophy of Psychology or 3 hrs
### Minor Requirements

**Psychology**
- **3 hrs**
  - EXP 3204C Perception or
  - EXP 3604C Cognitive Psychology or
  - EXP 4507C Advanced Human Memory and Cognition

**Computer Science and Information**
- **3 hrs**
  - CAP 4453 Robot Vision or
  - CAP 4630 Information Theory or
  - EEL 3552C Analog and Digital Communication

**Foreign Language Requirements**
- **3 hrs**
  - ANR 3601 Language and Culture or
  - LIN 3101 Principles of Linguistics or
  - LIN 3716 Language Development or
  - LIN 3717 Language Development: 5 - 18 Years or
  - PHI 4211 Philosophy of Language or
  - EXP 3640 Psychology of Language

**Restricted Electives**
- **6 hrs**
  - **Select two additional courses from either the above Foundation Courses or from the following list.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3550C</td>
<td>Primatology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586C</td>
<td>Human Origins</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>Artificial Intelligence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5015</td>
<td>Multimedia Compression on the Internet</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5415</td>
<td>Computer Vision</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4520</td>
<td>Concepts of Parallel and Distributed Processing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3204C</td>
<td>Perception</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LIN 4711</td>
<td>Language Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711L</td>
<td>Language Analysis Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAP 4103</td>
<td>Mathematical Modeling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2101</td>
<td>Formal Logic</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4500</td>
<td>Metaphysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 4025</td>
<td>The Psychology of Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 32130</td>
<td>Research Methods in Psychology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**
- **A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.**
- **15 hours must be taken at the upper division.**
- **No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.**
- **At least 12 hours used in the minor must be earned at UCF.**
- **No credit by exam (TSD, Military credit) may be used.**
- **Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.**

### Communication Sciences and Disorders - Minor

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**

**http://www.cohpa.ucf.edu/csd**

**Email: csdundergraduate@ucf.edu**

Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

**Minor Admission Requirements**
- **None**

**Required Courses**
- **None**

**Restricted Electives**
- **None**

**Foreign Language Requirements**
- **None**

**Total Semester Hours Required**
- **24**

**Other Requirements**
- **A minimum grade of "C-" (1.75) is required in all courses used to satisfy the minor.**
- **Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.**
- **At least 19 hours used in the minor must be earned at UCF within the department.**
- **No credit by exam (TSD, Military credit) may be used.**
- **Internship or Independent Study credit cannot be used toward the minor.**

**Community Arts - PAVE - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

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

Phone: 407-823-2676

**Minor Admission Requirements**
- **None**

**Required Courses**
- **None**

**Prerequisite Courses**
- **None**

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**UNIVERSITY OF CENTRAL FLORIDA**

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Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- COP 3223C Introduction to Programming with C  3 hrs
- COP 3330 Object Oriented Programming  3 hrs
- COP 3502C Computer Science I  3 hrs
- COP 3503C Computer Science II  3 hrs
- CDA 3103C Computer Logic and Organization  3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses  (6 hrs)
- SYP 3520 Criminology  3 hrs

Required: Complete one of the following:  (3 hrs)
- SYG 2000 Introduction to Sociology  3 hrs
- SYG 2010 Social Problems  3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYP 3510 Sociology of Deviant Behavior  3 hrs
  - SYP 3511 Sociology of Murder  3 hrs
  - SYP 3530 Juvenile Delinquency  3 hrs
  - SYP 3540 Sociology of Law  3 hrs
  - SYP 3562 Patterns of Domestic Violence in Society  3 hrs
  - SYP 4514 Patterns of Violence in Society  3 hrs
  - SYP 4521 Crime Victims in Society  3 hrs
  - SYP 4536 Gangs and Society  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Cory Watkins, 407-823-2603

Minor Admission Requirements
- None

Minor Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3014 Crime in America  3 hrs
- CCJ 3024 Criminal Justice System  3 hrs

Restricted Electives (12 hrs)
- Select 2:
  - CCJ 3510 Prosecution and Adjudication  3 hrs
  - CJC 3510 Corrections and Penology  3 hrs
  - CJE 4014 Police and Society  3 hrs
  - SYG 2010 Social Problems  3 hrs
  - SYG 2000 Introduction to Sociology  3 hrs
  - SYG 2010 Social Problems  3 hrs

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 18

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Judi Siegfried, Judi.Siegfried@ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- DAN 3134  Dance History I  3 hrs
- DAA 3612  Dance Improvisation/Composition I  3 hrs
- DAA 2100C  Modern Dance I  2 hrs
- DAA 2200C  Ballet I  2 hrs
- DAA 3684  Dance Performance  1 hr

Restricted Electives (7 hrs)
- DAA 2570C  Jazz Dance I  2 hrs
- DAA 2571C  Jazz Dance II  2 hrs
- DAA 2520C  Tap Dance I  2 hrs
- DAA 3524C  Tap Dance III  2 hrs
- DAA 2201C  Ballet II  2 hrs
- DAA 3208C  Ballet III  2 hrs
- DAA 2101C  Modern Dance II  2 hrs
- DAA 2300C  World Dance  2 hrs
- DAA 3645  Choreography Practicum  2 hrs
- DAA 3684  Dance Performance  1 hr
- TPA 2290L  Theatre Participation-Production I  1 hr
- TPP 2190L  Theatre Participation-Performance I  1 hr
- THE 2090L  Theatre Participation-Management I  1 hr
- DAA 3004L  Dance Studio  1 hr
- DAA 3508C  Jazz Dance III  2 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.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- A minimum of 3 different dance styles must be completed in the minor.

Digital Humanities - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Mark Kamrath
Phone: 407-823-5596

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- HUM 3830  Introduction to Digital Humanities  3 hrs
- DIG 3171  Tools for Digital Humanities  3 hrs

Restricted Electives (12 hrs)
- Select two from the following:
  - CRW 3713  Writing for Video Games  3 hrs
  - DIG 4704  Interactive Entertainment  3 hrs
  - DIG 4855  Converging Media Capstone  3 hrs
  - ENC 4416  Writing in Digital Environments  3 hrs
  - ENG 3817  Digital Archives  3 hrs
  - ENC 4414  Writing and Hypertext  3 hrs
  - ENC 4290  Usability Testing for Technical Communication  3 hrs
  - AMH 4644  Viewing American History in the Twentieth Century  3 hrs
  - DIG 3024  Digital Cultures & Narrative  3 hrs
  - ENC 3417  Literacy and Technology  3 hrs
  - HIS 4150  History and Historians  3 hrs
  - PHI 3323  Minds and Machines: Philosophy of Cognitive Science  3 hrs
  - PHI 3625  Virtual Ethics  3 hrs
  - PHI 3626  Advanced Ethics in Science and Technology  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- DIG 2000  Introduction to Digital Media  3 hrs
- DIG 2030C  Digital Video Fundamentals  3 hrs
## Diplomacy - Minor

**College of Sciences**

**Department of Political Science,**

Phillips Hall, Room: 302  
[http://politicscience.cos.ucf.edu](http://politicscience.cos.ucf.edu)

**Department of History, Colbourn Hall, Room: 551**  
[http://history.cah.ucf.edu/](http://history.cah.ucf.edu/)

Dr. R. Handberg, 407-823-2608  
Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

### Admission Requirements
- None

### Other Requirements
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or substitute courses/other requirements and substitutes up to a maximum of 3 credit hours.
- Students majoring in history, international and global studies, or political science can take no more than 3 hrs of Restricted Electives in their major department.

### Required Courses
- **(3 hrs)**
  - DIG 2109C Digital Imaging Fundamentals
  - DIG 2500C Fundamentals of Interactive Design

### Restricted Electives
- **(6 hrs)**
  - Select two courses:
  - Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
  - At least 15 hours used in the minor must be earned at UCF within the participating departments.
  - Required Courses: DIG 3003, DIG 3024, DIG 3134, DIG 3480C, DIG 3525, DIG 3563
  - Minor Requirements: DIG 3716C, DIG 3811, DIG 4630C, DIG 4713, DIG 4790C, FIL 4040

### Foreign Language Requirements
- None

### Total Semester Hours Required
- **18**

## Diversity and Social Inequality - Minor

**College of Sciences**

**Department of Sociology,**

Howard Phillips Hall, Room: 403  
[http://sociology.ucf.edu](http://sociology.ucf.edu)

Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society.

### Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

### Required Courses
- **(6 hrs)**
  - SYG 2010 Social Problems
  - SYG 2000 Introduction to Sociology
  - SYG 3530 Social Problems

### Required: Complete one of the following:
- **3 hrs**
  - SYG 3530 Social Problems
  - SYG 3530 Social Problems

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**Minors**

**Digital Imaging Fundamentals**

**Fundamentals of Interactive Design**

**Advisors:**

- Dr. J. Sacher, 407-823-2225
- Dr. R. Handberg, 407-823-2608

**Website:**

[http://politicscience.cos.ucf.edu](http://politicscience.cos.ucf.edu)
Minors

Restricted Electives  (12 hrs)
- Select from the following:
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYD 4100 Family Trends 3 hrs
  - SYD 4200 Religion in Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Early Childhood Development and Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Minor Requirements
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
- NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses
- None

Required Courses  (15 hrs)
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Restricted Electives  (6 hrs)
Choose two:
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4744 Child Life: Psychosocial Care of Children in Health Settings 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

Economics - Minor

College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Dr. David Scrogin, BA2 302N, David.Scrogin@ucf.edu,
407-823-4129
Dr. Michael Caputo, BA2 302Q, 407-823-1405
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses  (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:  3 hrs
- ECO 3101 Intermediate Microeconomics or 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
Upper Division Restricted Electives  9 hrs
- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:

Foreign Language Requirements
- None
Minors

Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/edminor
Dr. W. Scott Wise, ED 220B, wwise@ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4477 Learning Theory and Assessment 3 hrs
- EDF 4411 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SME 4396 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs
  - PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select 1: 3 hrs
  - DSC 4012 Terrorism or 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
Minors

- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Minor Admission Requirements

- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (19 hrs)

- None

Restricted Electives (9 hrs)

- None

Total Semester Hours Required

- 19

Other Requirements

- Students must have a minimum grade of “C” (2.0) or better required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Linguistics - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Phone: 407-823-5596

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

- CRW 3030 Leadership in Engineering I 0 hrs
- LDR 2001 Foundations of Leadership 0 hrs
- LDR 2002 Foundations of Leadership 2 hrs
- MAN 3025 Management of Organizations 3 hrs
- PHI 3638 Ethical Issues in the 21st Century 3 hrs
- EGS 3030 Principles of Linguistics 3 hrs
- EGS 3031 Leadership in Engineering II 0 hrs
- EGS 4950 Leadership Capstone 3 hrs

Pick one of the following 3 hrs

- MAR 3391 Professional Selling or 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs

1 Engineering Leadership Capstone

Restricted Electives (6 hrs)

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 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.
Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
1. ENG 3014 Theories and Techniques of Literature Study
2. PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives (15 hrs)
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Phone: 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- A C- or better is required in these courses
  1. EDG 4410 Teaching Strategies and Classroom Management
  2. EDF 4467 Learning Theory and Assessment
  3. TSL 4080 Theory and Practice of Teaching ESOL Students in Schools
  4. RED 4043 Content Reading in Kindergarten through Grade 12
  5. LAE 4360 English Instructional Analysis

Select 1: 3 hrs
- LAE 4342 Programs in Teaching Language and Composition or
- LAE 4464 Survey of Adolescent Literature or
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF
Minors

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

Open to Business and Non-Business Students

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, innovative corporate initiatives, and impactful non-profit organizations. This minor serves as a great complement to majors in all disciplines by preparing students to recognize opportunities, organize resources, and produce results. These capabilities promote leadership potential and professional success in any career, and are sought after by small and large organizations that need employees capable of creating and managing innovative new initiatives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- ENT 3613 Creativity and Entrepreneurship 3 hrs
- ENT 4014 New Venture Implementation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- ENT 4013 New Venture Design 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in CBA core or the following courses:
  - BUL 4540 Employment Law 3 hrs
  - EGN 4641C Engineering Entrepreneurship 3 hrs
  - ENT 4013 New Venture Design 3 hrs
  - GEB 4435 Moral Foundations of Business 3 hrs

Values, Planning, and Policy Electives 9 hrs
- IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)
- Take 9 hours from each section.

Science Electives 9 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BOT 3152C Local Flora 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- BSC 4312C Advanced Marine Biology 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- 1 GIS 3043C GIS for Environmental Studies 3 hrs
- 1 GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
- OCE 3008 Oceanography 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4342 Aquatic Ecology 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- PCB 4723 Animal Physiology 4 hrs
- PCB 5045 Conservation Biology 4 hrs
- PCB 5326C Ecosystems of Florida 5 hrs

Values, Planning, and Policy Electives 9 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4360 Nature Writing 3 hrs
- 1 GIS 3043C GIS for Environmental Studies 3 hrs
- 1 GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
- IR 4351 International Environmental Law 3 hrs
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4351 Issues in Environmental Program 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4833 Ethics and Biological Science 3 hrs
- PHM 4331 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

Environmental Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- IDS 3150 Foundations of Environmental Studies 3 hrs

Values, Planning, and Policy Electives 9 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4360 Nature Writing 3 hrs
- 1 GIS 3043C GIS for Environmental Studies 3 hrs
- 1 GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4351 Issues in Environmental Program 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4833 Ethics and Biological Science 3 hrs
- PHM 4331 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.
**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.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

**European Studies - Minor**

**College of Sciences**

Department of Political Science, Howard Phillips Hall,

Room: 302

http://www.cos.ucf.edu/politicalscience

**Email:** politics@mail.ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

**Minor Admission Requirements**

- None

**Minor Requirements**

- A grade of "C" (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

**Prerequisite Courses**

- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses**

- (6 hrs)
  
  CPO 4101  Politics of the European Union  3 hrs
  
  LIT 3082  Continental European Fiction Since 1900  3 hrs

**Restricted Electives**

- (15 hrs)
  
  Course substitutions are subject to prior approval by the director.

**Literature, Film, and Culture:**

**Select from the following courses:**  3 hrs

- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 2022</td>
<td>English Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4101</td>
<td>English Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4240</td>
<td>English Romantic Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4262</td>
<td>Nineteenth Century British Prose or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 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>
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</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema 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>FRT 3562</td>
<td>French Contemporary Pop Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3370</td>
<td>Short Stories of 18th, 19th and 20th Centuries 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 4552</td>
<td>French Romanticism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3102</td>
<td>Germany - Past &amp; Present or</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 4452</td>
<td>German Children's Literature or</td>
<td>3 hrs</td>
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<tr>
<td>GEW 4531</td>
<td>The Age of Goethe and Schiller or</td>
<td>3 hrs</td>
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<tr>
<td>ITT 4956</td>
<td>Study Abroad: Modern and Contemporary Italian Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITW 3101</td>
<td>Survey of Italian Literature II or</td>
<td>3 hrs</td>
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<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust or</td>
<td>3 hrs</td>
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<tr>
<td>LIT 4184</td>
<td>Irish Literature or</td>
<td>3 hrs</td>
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<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 or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**History:**

**Select from the following courses:**  6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EUH 3235</td>
<td>Romanticism and Realism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3261</td>
<td>Second World War and Rebirth of Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4311</td>
<td>Ancient Rome or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4341</td>
<td>History of Modern Italy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4351</td>
<td>History of Modern France or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4284</td>
<td>Fascism and Nazism in the Interwar Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4400</td>
<td>The History of Ancient Greece or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4465</td>
<td>Hitler's Third Reich or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4501</td>
<td>English History: 1485-1815 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4502</td>
<td>British History: 1815-Present or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4582</td>
<td>20th Century Russian Diplomatic History or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Medieval or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4663</td>
<td>History of Communism in Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 4510</td>
<td>Life and Culture in Nazi Germany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Political Science or Economics:**

**Select from the following courses:**  3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4543</td>
<td>Government and Politics of Russia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other areas:**

- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

**Select from the following courses:**  3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430</td>
<td>19th Century Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHH 3041</td>
<td>Russian Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHH 3510</td>
<td>Marx and Nietzsche or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3783</td>
<td>Modernity as a Philosophical Problem or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 4782</td>
<td>Phenomenology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Blvd. Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: Hospitality@ucf.edu
Phone: (407) 903-8000

This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students' knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements
- Not open to majors of the Rosen College of Hospitality Management.

Minor Requirements
- None

Prerequisite Courses
- Students who have not completed the prerequisites should contact the instructor for consent to enroll.

Required Courses (12 hrs)
1. HFT 2750 The Event Industry 3 hrs
2. HFT 3443 Event Technology 3 hrs
3. HFT 3512 Event Promotion 3 hrs
4. HFT 3670 Hospitality and Event Risk Management 3 hrs

1 HFT 2750 is the prerequisite course for all upper level Event Management courses.

Restricted Electives (6 hrs)
Select 2: 6 hrs
1. HFT 3519 Event Services or 3 hrs
2. HFT 3523 Event Sales or 3 hrs
3. HFT 3741 Meeting Management or 3 hrs
4. HFT 3798 Fairs and Festivals or 3 hrs
5. HFT 4795 Entertainment Arts and Events or 3 hrs
6. HFT 4796 International Events 3 hrs

1 Prerequisite is HFT 3519.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 315P
http://education.ucf.edu/academics_minors.cfm
Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
1. EEX 4601 Introduction to Behavior Management 3 hrs
2. EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
3. EEX 3221 Assessment of Exceptional Students 3 hrs
4. EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Elective Courses (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
1. EEX 3450 Young Children With Special Needs 3 hrs
2. EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
1. EEX 4070 Teaching Exceptional Students 3 hrs
2. EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Secondary Restricted Electives
1. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
2. EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.
Minors

Film - Cinema Studies - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
■ Completion of a Minor Declaration form

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Select 1: 3 hrs
- FIL 1007 Foundations of Story or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
■ Choose Two
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A 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
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403 Business Finance 3 hrs
- FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3: 9 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 3504 Investment Analysis or 3 hrs
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No internships, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA

Minor Requirements
■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses (12 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
Minors

Restricted Electives (6 hrs)
Select 2:
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
- PET 3125 Fitness and Weight Management or 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (12 hrs)
Select four upper division French language courses offered in the Department of Modern Languages.
Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science,
Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Dr. P. Vasquez, 407-823-2608
Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students majoring in history or political science can take no more than 3 hours of electives in their major department.

Prerequisite Courses
- Students must satisfy each course’s prerequisite before enrolling in the class

Required Courses (6 hrs)
- EUH 3651 War and Society 3 hrs
- INR 4060 Causes of War 3 hrs

Restricted Electives (12 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- AMH 4515 United States as a Great Power: 1776-1945 3 hrs
- EUH 3524 International Relations 3 hrs
- EUH 3652 U.S.-International Relations 3 hrs
- EUH 3653 Operations in War 3 hrs
- EUH 3654 Strategic Studies 3 hrs
- EUH 3655 International Affairs 3 hrs
- EUH 3656 Peace and Conflict Resolution 3 hrs
- EUH 3657 Global Security and Peace 3 hrs

AMH 3547 U.S. Military History Since 1900
AMH 4513 United States as a Great Power: 1945-Present
AMH 4515 United States as a Great Power: 1776-1945
EUH 3524 International Relations
EUH 3652 U.S.-International Relations
EUH 3653 Operations in War
EUH 3654 Strategic Studies
EUH 3655 International Affairs
EUH 3656 Peace and Conflict Resolution
EUH 3657 Global Security and Peace
ASH 3223  The Modern Middle East  3 hrs  
ASH 4243  History of Iraq  3 hrs  
ASH 4404  Modern China  3 hrs  
DSC 4012  Terrorism  3 hrs  
CPO 3057  Contemporary Revolution and Political Violence  5 hrs  
CPO 3403  Politics of the Middle East  3 hrs  
CPO 4784  Political and Economic Inequality in Comparative Perspective  3 hrs  
EUH 3242  Modern Europe and the First World War  3 hrs  
EUH 3261  Second World War and Rebirth of Europe  3 hrs  
EUH 4284  Fascism and Nazism in the Interwar Europe  3 hrs  
EUH 4663  History of Communism in Europe  3 hrs  
INR 3253  International Politics of Africa  3 hrs  
INR 4008  Global Perspectives  3 hrs  
INR 4011  Politics of Globalization  3 hrs  
INR 4030  Diplomacy  3 hrs  
INR 4063  The Cold War  3 hrs  
INR 4080  Causes of War  3 hrs  
INR 4075  Human Rights Policy  3 hrs  
INR 4084  Politics of International Terrorism  3 hrs  
INR 4102  American Foreign Policy  3 hrs  
INR 4114  American Security Policy  3 hrs  
INR 4115  Strategic Weapons and Arms Control  3 hrs  
INR 4224  Contemporary International Politics of Asia  3 hrs  
INR 4243  International Politics of Latin America  3 hrs  
INR 4304  Issues in International Public Policy  3 hrs  
INR 4335  Coercion in International Politics  3 hrs  
INR 4364  The Intelligence Community  3 hrs  
INR 4744  Militaries in World Politics  3 hrs  
INR 4764  Cyberwarfare Policy  3 hrs  
INR 4774  Military Space Policy  3 hrs  
LAH 3200  Modern Latin America  3 hrs  
PLA 4583  Cyber Law I  3 hrs  
POT 4632  Religion and Politics  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used. 
- Internship, Independent Study, and substitute courses/new courses are allowed at the director's discretion limited to a maximum of 3 credit hours. 

Health Informatics and Information Management - Minor

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Dr. Alice Noblin, alice.noblin@ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006  Foundations of Health Information Management (HIM)  3 hrs
- HIM 4508C  Quality Management  3 hrs
- HIM 4656C  Health Information Management Systems  3 hrs
- HSC 3537  Medical Terminology  3 hrs
- HIM 4226C  Coding Procedures I  5 hrs
- HIM 4286C  Coding Procedures II  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor. 
- At least 15 hours used in the minor must be earned at UCF within the department. 
- No credit by examination (TSD, Military credit) may be used. 
- Internship or Independent Study credit cannot be used toward the minor without departmental approval. 

Health Sciences - Minor

College of Health Professions, Health and Public Affairs I, Room: 267
L. Timothy Worrell, 407-823-5236

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HUN 2201  Fundamentals of Human Nutrition  3 hrs
- HSC 3110  Medical Self Assessment  3 hrs
- HSC 3211  Preventive Health Care  3 hrs

Restricted Electives (9 hrs)
- HSC 3147  Introduction to Pharmacology  3 hrs
- HSC 4555  Pathophysiology I  3 hrs
- HSC 4558  Pathophysiology II  3 hrs
- HSC 4501  Epidemiology of Chronic Diseases  3 hrs
- HSC 4532  Occupational Safety for the Health Care Professional  3 hrs
- HSC 4572  Clinical Nutrition  3 hrs
- HSC 4730  Applied Health Research Methodology  3 hrs
- HSC 4008  Professional Development in Health Professions  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- HSC 3559  Disabilities in American Society  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- ATR 3203C  Upper Extremity Function and Measurement  3 hrs
- ATR 3204C  Lower Extremity Function and Measurement  3 hrs
- ATR 3312C  Injury, Management, and Rehabilitation  3 hrs
- PET 4606  Applied Fitness in Sport  3 hrs
- HSC 3537  Medical Terminology  3 hrs
- HSC 3593  HIV Disease: A Human Concern  3 hrs
- HSC 4730  Applied Health Research Methodology  3 hrs
- HSC 4008  Professional Development in Health Professions  3 hrs
- HSC 3432  Occupational Safety for the Health Care Professional  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program 
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses. 
- At least 15 hours used in the minor must be earned at UCF within the department. 
- No credit by examination (TSD, Military credit) may be used. 
- Internship or Independent Study credit cannot be used toward the minor. 

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Minors

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Philip Wessel, Undergraduate Program Director,
hsainfo@ucf.edu
Phone: 407-823-2359

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- U.S. Health Care Systems 3 hrs
- Community Health 3 hrs
- Organization & Management for Health Agencies I 3 hrs
- Fundamentals of Health Information Technology 3 hrs
- Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1: 3 hrs
- Health Law and Ethics or
- Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or
- Quality Management or
- Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- Introduction to the Hospitality and Tourism Industry and Guest Services Management I 6 hrs
- Hospitality Industry Financial Accounting or Hospitality Industry Managerial Accounting or Hospitality Human Resources Management or Hospitality Information Systems or Hospitality Industry Finance or Hospitality Communications 3 hrs
- Tourism Management or Restaurant Management or Principles of Resort Timesharing or The Event Industry or Lodging Operations or Yacht, Country, And City Club Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.

Final exams will be given during Final Exam Week only.

Internship or Independent Study credit cannot be used toward the minor.

Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3022 Health Communication 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3332 Communication, Technology, and Change 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3445 Leadership Through Oral Communication 3 hrs
- SPC 3513 Argumentation and Debate 3 hrs
- SPC 4311 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs
- Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward this minor with prior approval.

Human Services - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 322
Website: http://education.ucf.edu/counselored/
Dr. Mark Young, mark.young@ucf.edu, 407-823-6401

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this minor.

Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of “C” or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

Prerequisite Courses
- None

Required Courses (15 hrs)
- MHS 2090 Introduction to Human Services 3 hrs
- MHS 2330 Career Planning 3 hrs
- MHS 2441 Couples, Families and Intimate Relationships 3 hrs
- MHS 3052 Helping Skills for Human Service Providers 3 hrs
- MHS 3426 Diversity Issues in Human Services 3 hrs

Restricted Electives (3 hrs)
- Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (CLEP, Military Credit) may be used.
- Transfer credits from other colleges/universities may be considered.

Humanities and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None
Required Courses (18 hrs)
- HUM 2020: Encountering the Humanities 3 hrs

Humanities Foundations 6 hrs
Select 2: 6 hrs
- HUM 3431: Ancient Humanities or 3 hrs
- HUM 3435: Medieval Humanities or 3 hrs
- HUM 3255: Modern Humanities or 3 hrs
- HUM 3252: Contemporary Humanities 3 hrs

Theories and Methods 3 hrs
Select 1: 3 hrs
- HUM 3805: Critical Theory in the Humanities or 3 hrs
- HUM 3830: Introduction to Digital Humanities or 3 hrs
- HUM 3326: Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4330: Performance Theory or 3 hrs
- HUM 4823: Queer Theory in the Humanities or 3 hrs
- HUM 4826: Postcolonial Theory 3 hrs

Cultural Traditions 3 hrs
Select 1: 3 hrs
- HUM 3401: Asian Humanities or 3 hrs
- HUM 3423: African Humanities or 3 hrs
- HUM 3460: Latin American Humanities or 3 hrs
- HUM 4459: American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies 3 hrs
Select 1: 3 hrs
- HUM 4931: Key Figures in the Humanities & Cultural Studies or 3 hrs
- HUM 4934: Key Concepts in Humanities & Cultural Studies 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required: 18

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science or Information Technology program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

Intelligence and National Security - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu
Dr. Mark Schafer, 407-823-3328

This minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better for all classes is required in courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- INR 2002: International Relations-Theory and Practice 3 hrs
- INR 4364: The Intelligence Community 3 hrs

Required Electives (12 hrs)
Select four courses from the following list:
- CCJ 4076: Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641: Organized Crime 3 hrs
- CCJ 4644: White Collar Crime 3 hrs
- CCJ 4651: Drugs and Crime 3 hrs
- CJT 3803: Security Management 3 hrs
- CJT 3821: Practical Security Applications 3 hrs
- COM 4416: Terrorism and Communication 3 hrs
- CPO 3034: Politics of Developing Areas 3 hrs
- CPO 3057: Contemporary Revolution and Political Violence 3 hrs
- CPO 3403: Politics of the Middle East 3 hrs
- CPO 3614: Politics of Eastern Europe 3 hrs
- CPO 4303: Comparative Latin American Politics 3 hrs

Restrictions
### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- None

### Intelligent Robotic Systems (IRS) - Interdisciplinary

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- **Select 1:** 3 hrs
  - A high-level programming language class (like the following or its equivalent) is required for the minor.
  - COP 3223C Introduction to Programming with C or 3 hrs
  - EGN 3211 Engineering Analysis and Computation 3 hrs

#### Required Courses
- **Required Courses:** 6 hrs
  - EGN 4060C Introduction to Robotics 3 hrs
  - EEL 4660 Robotic Systems 3 hrs

#### Restricted Electives
- **Restricted Electives:** 12 hrs
  - Select 4: 12 hrs
  - (Note: Courses with equivalent content cannot both be counted toward the electives)

- **CAP 4053** AI for Game Programming or 3 hrs
- **CAP 4453** Robot Vision or 3 hrs
- **CAP 4630** Artificial Intelligence or 3 hrs
- **CAP 5415** Computer Vision or 3 hrs
- **CAP 5512** Evolutionary Computation or 3 hrs
- **CAP 5610** Machine Learning or 3 hrs
- **COP 3503C** Computer Science II or 3 hrs
- **EEL 3657** Linear Control Systems or 3 hrs
- **EEL 4612C** Introduction to Modern and Robust Control or 4 hrs
- **EEL 4750** Digital Signal Processing Fundamentals or 3 hrs
- **EEL 4818H** Honors Current Topics in Machine Learning or 3 hrs
- **EEL 4872** Engineering Applications of Intelligent Systems or 3 hrs
- **EEL 5669** Autonomous Robotic Systems or 3 hrs
- **EEL 5173** Linear Systems Theory or 3 hrs

#### EEE 5513 Digital Signal Processing Applications or 3 hrs
#### EEL 5625 Applied Control Systems or 3 hrs
#### EEL 5630 Digital Control Systems or 3 hrs
#### EEL 5820 Image Processing or 3 hrs
#### EEL 5825 Pattern Recognition or 3 hrs
#### EGN 3321 Engineering Analysis-Dynamics or 3 hrs
#### EML 3217 Engineering Mechanics - Dynamics or 3 hrs
#### EML 3262 Kinematics of Mechanisms or 3 hrs
#### EML 4225 Introduction to Vibrations and Controls or 3 hrs
#### EML 4312C Feedback Control or 3 hrs
#### EML 4313 Intermediate System Dynamics and Controls or 3 hrs

### 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### International and Global Studies - Minor

#### College of Sciences

#### Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

#### Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

#### Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses
- **Required Courses:** 6 hrs
  - INR 4008 Global Perspectives 3 hrs
  - GEO 3471 World Political Geography 3 hrs
Minors

Restricted Electives (15 hrs)

- Substitutions require prior approval by the program advisor.

A. Political Science:

Select courses from this grouping: 6 hrs
- INR 4011 Politics of Globalization or 3 hrs
- INR 4030 Diplomacy or 3 hrs
- INR 4035 International Political Economy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- INR 4060 Causes of War or 3 hrs

B. Area Studies: 6 hrs

- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies, Russian Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:

Select one course from this grouping: 3 hrs
- CPO 3103 Comparative Politics or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- DSC 4012 Terrorism or 3 hrs
- EUH 3651 War and Society or 3 hrs
- MMC 4300 International Media or 3 hrs
- SYP 4454 Global Inequality and Society or 3 hrs
- 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.

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 approval.

International Business - Minor

College of Business Administration
Office of Professional Development, Business Administration II, Room: 101
http://web.bus.ucf.edu
Suzanne Waldrop, Suzanne.Waldrop@ucf.edu, 407-823-5833

Minor for Business Majors

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)
- GEB 3375 Introduction to International Business or 3 hrs
- Select 12 to 15 hours of Study Abroad or 12 hrs
  - GEB 3955 Study Abroad or 3 hrs
  - GEB 4955 Study Abroad

Restricted Electives (3 hrs)

- Select the course below only if less than 15 hours of Study Abroad completed
  - GEB 4374 International Negotiations and Transactions or 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.
- Lower division courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses taken as part of a UCF College of Business exchange program, will be reviewed for appropriateness by the College of Business Study Abroad Director. Additional information may be required by the Study Abroad Director to determine the appropriateness of the course taken.
- Courses transferred into the College of Business from a foreign institution, that are not part of a College of Business exchange program, must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be coursework registered through UCF College of Business Study Abroad.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
Brittany Kester, brittany kester@ucf.edu, 407-823-2455

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements

- Admission by interview with the Program Coordinator
- A minimum UCF cumulative GPA of 2.75 is required to enter the minor.

Minor Requirements

- None

Prerequisite Courses

- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.
Required Courses (18 hrs)

- The International minor in Engineering or Computer Science is composed of three parts:
  
  Language Skill Acquisition (6 hrs)
  
  It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of Item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in which English is widely spoken.

- If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):
  
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ASH 4404 Modern China 3 hrs
  - ASH 4442 Modern Japan 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3103 Comparative Politics 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - GEO 3471 World Political Geography 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3363 Islam 3 hrs
  - IDS 3333 World Comparative Studies 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs
  - INR 4401 International Law 3 hrs

Cultural Coursework (3 hrs)

- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  
  - Option 1) Students will complete three hours of coursework in the culture/country of the prospective region, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.
  - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience (9 hrs)

- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad.

- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives

- None

Foreign Language Requirements

- See Language Skills Acquisition

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of “C” (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Italian - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 522

http://mll.cah.ucf.edu/

Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITA 3420</td>
<td>Italian Composition</td>
</tr>
<tr>
<td>ITA 3760</td>
<td>Advanced Italian Oral Communication</td>
</tr>
</tbody>
</table>

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (12 hrs)

- Select four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

http://communication.cos.ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2881

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is
Minors

media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
JOU 3004 History of American Journalism 3 hrs

Restricted Electives
(15 hrs)
- Select from the following:
  JOU 3301 Journalism Readings 3 hrs
  JOU 3510 Magazine Publishing 3 hrs
  JOU 4700 Journalism Ethics 3 hrs
  MMC 2004 Mass Media 3 hrs
  MMC 3200 Mass Communication Law 3 hrs
  MMC 4300 International Media 3 hrs
  VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
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 the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
(18 hrs)
- Choose 6 Restricted Electives courses.

Jewish History
JST 3401 Jewish People in Antiquity 3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
JST 3415 American Jewish History 3 hrs
JST 3481 20th Century Jewish History and Thought 3 hrs
JST 3701 History of the Holocaust 3 hrs
JST 3417 Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
JST 3120 Hebrew Scriptures 3 hrs
JST 3125 The Book of Job 3 hrs
JST 3126 Romantic Love in the Bible 3 hrs
JST 3144 Dead Sea Scrolls 3 hrs
JST 3190 The Biblical Prophets 3 hrs
JST 3424 Biblical Archaeology 3 hrs

Literature
JST 3100 The Hebrew Creative Mind 3 hrs
JST 3312 Identity and Genre 3 hrs
JST 3751 Literature of the Holocaust 3 hrs
JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
JST 3005 Tenets of Judaism 3 hrs
JST 3121 Classic Texts of Judaism 3 hrs
JST 3210 Kabbalah: Jewish Mysticism 3 hrs
JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
JST 3450 Modern Jewish Experience 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
JST 3820 Modern Israeli Culture 3 hrs
JST 3851 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
JST 3550 Introduction of Modernism into Judaism 3 hrs
JST 3821 Israel: Start-Up Nation 3 hrs

Language
HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs
HBR 2200 Intermediate Modern Hebrew I 3 hrs
HBR 2201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for minor is 18-20 credits.

Latin American Area Studies - Minor
College of Arts and Humanities
Latin American Studies, Colbourn Hall, Room: 122
http://las.cah.ucf.edu/
Director: Dr. Consuelo Stebbins, stebbins@ucf.edu
Advisor: Donna Mercado, donna.mercado@ucf.edu
Phone: 407-823-1173

The minor provides students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Minor Admission Requirements
- None

Minor Requirements
- None
Prerequisite Courses
- None

Required Courses (9 hrs)
- GEA 4405 Geography of Latin America 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

Restricted Electives (9 hrs)
- Select one (1) course from three (3) different areas below, for a total of nine (9) hours. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology
- ANT 3164 Ancient Incas 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy 3 hrs

Modern Languages and Literature
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- SPW 4382 Central American Literature 3 hrs
- SPN 3852 Bilinguismo 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs

History
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs

Latin American Studies
- LAS 4023 African Caribbean Experience 3 hrs
- LAS 3955 Study Abroad 1 hr
- LAS 4906 Directed Independent Study 1 hr
- LAS 3905 Directed Independent Study 1 hr

Political Science
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs

English
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- AML 3662 Ethnic Literature in America 3 hrs
- Lit 3192 Caribbean Literature 3 hrs
- Lit 3381 Women Writers of Color 3 hrs
- Lit 3623 Hispanic Women Writers 3 hrs
- Lit 3368 Magical Realism in Literature 3 hrs

International Relations
- INR 4243 International Politics of Latin America 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs

Humanities
- HUM 3460 Latin American Humanities 3 hrs

Public Policy
- PUB 3314 Minorities in American Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in 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

College of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom I, Room: 302
http://www.is.ucf.edu

Phone: 407-823-0144
Email: is@ucf.edu

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- 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
  - COM 3111 Communication and Human Relations or 3 hrs
  - COM 3120 Organizational Communication or 3 hrs
  - COM 4461 Intercultural Communication or 3 hrs
  - COM 4462 Conflict Management or 3 hrs
  - ENC 3250 Professional Writing or 3 hrs
  - SPC 3445 Leadership Through Oral Communication or 3 hrs
- Collaboration
  - INP 3004 Industrial/Organizational Psychology or 3 hrs
  - INP 4313 Organizational Psychology or 3 hrs
  - MAN 4240 Organizations: Theory and Behavior or 3 hrs
  - MAN 3025 Management of Organizations or 3 hrs
  - SPC 4426 Group Dynamics or 3 hrs
- Social Relations and Culture
  - Ant 3514 Biobehavioral Anthropology or 3 hrs
  - CLP 3143 Abnormal Psychology or 3 hrs
  - COM 4461 Intercultural Communication or 3 hrs
  - EXP 3304C Motivation or 3 hrs
  - SOP 304C Social Psychology or 3 hrs
  - SOP 3723 Cross Cultural Psychology or 3 hrs
  - SOP 3742 Psychology of Women or 3 hrs
  - SOP 3784 Psychology of Diversity or 3 hrs

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Politics 3 hrs
PAD 3003 Public Administration in American Society 3 hrs
or PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Nonprofit Organizations or 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs or
POS 3413 The American Presidency or 3 hrs
POS 4206 Political Psychology or 3 hrs
PUP 3325 Women and Political Behavior or 3 hrs
SYO 4300 Political Sociology 3 hrs

Ethics 3 hrs
BUL 3130 Legal and Ethical Environment of Business or
EDF 3601 Professional Ethics in Education or 3 hrs
PAD 3040 Ethics and Values in Public Administration or
PHI 2108 Critical Thinking or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3640 Environmental Ethics 3 hrs

Restricted Electives
■ None
Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Earn a grade of “C” (2.0) or better in each course used to satisfy the minor.
■ At least 15 credit hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor
College of Health and Public Affairs
Department of Legal Studies, Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rubert Neish II, Program Academic Advisor
Phone: 407-823-1670

Minor Admission Requirements
■ None
Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (3 hrs)

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: Journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ Grammar proficiency requirement.
■ A minimum UCF GPA of 2.5 is required.
■ The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted in the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
■ (9 hrs)
JOU 2100C News Reporting 3 hrs
JOU 3310 Social Media Writing for Magazines or 3 hrs
JOU 4211C Informational Graphics or 3 hrs
JOU 4213C Page Design or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Restricted Electives (9 hrs)
Select from the following:
ENC 3310 Magazine Writing I or 3 hrs
JOU 3310 Social Media Writing for Magazines or 3 hrs
JOU 3311 Editing I or 3 hrs
JOU 4211C Informational Graphics or 3 hrs
JOU 4213C Page Design or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Marketing - Minor
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Open to Business and Non-Business Students

Minor Admission Requirements
■ Not available to Marketing Majors

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (15 hrs)
MAR 3023 Marketing 3 hrs
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3407 Contemporary Selling 3 hrs

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum grade of “C” (2.0) is required in each course to satisfy the minor.
Select from the following:

**Required Courses (9 hrs)**

- Marketing Analysis and Research Methods 3 hrs
- Marketing Management 3 hrs

**Restricted Electives (3 hrs)**

- Select one:
  - Marketing Intelligence 3 hrs
  - Entrepreneurial Marketing 3 hrs
  - International Marketing 3 hrs
  - Retailing Management 3 hrs
  - Sport Marketing 3 hrs
  - Healthcare Marketing 3 hrs
  - Entertainment Marketing 3 hrs
  - Contemporary Marketing Topics in Florida 3 hrs
  - Marketing Internship 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Independent Study or Directed Research credit cannot be used toward the minor.
- A maximum of 3 credit hours of the listed required or elective courses for the marketing minor can be counted towards the degree requirements of another major or minor degree program. Integrated Business majors will take one additional marketing elective selected from the listed courses.

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**Mass Communication - Minor**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

Joan McCain, joan.mccain@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

**Minor Admission Requirements**

- Not open to Ad PR, Journalism, or Radio-TV majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.

- At least 6 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses (9 hrs)**

- Principles of Advertising 3 hrs
- Mass Media 3 hrs
- Development and Structure of Electronic Media and New Technology 3 hrs

**Restricted Electives (9 hrs)**

- Select from the following:
  - Radio-Television Advertising 3 hrs
  - Computer Mediated Communication 3 hrs
  - History of Motion Pictures 3 hrs

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**Mass Culture and Collective Behavior - Minor**

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room: 403**

**http://sociology.ucf.edu**

**Email: sociology@ucf.edu**

Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

**Minor Admission Requirements**

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

**Minor Requirements**

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses (6 hrs)**

- Sociological Social Psychology 3 hrs
- Introduction to Sociology or Social Problems 3 hrs

**Required: Complete one of the following:**

- Community Action and Involvement 3 hrs
- Contemporary Society 3 hrs
- Religion in Society 3 hrs
- Fads, Crowds, and Social Action 3 hrs

**Restricted Electives (12 hrs)**

- Select from the following:
  - Community Action and Involvement 3 hrs
  - Contemporary Society 3 hrs
  - Religion in Society 3 hrs
  - Fads, Crowds, and Social Action 3 hrs
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SYP 3400  Social Change  3 hrs
SYP 3602  Patterns of Popular Music in Society  3 hrs
SYP 3630  Popular Culture In Society  3 hrs
SYP 3650  Sports and Society  3 hrs
SYP 4004  Constructing Social Issues  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor

College of Sciences

Department of Mathematics,
Math and Physics, Room: 207

http://math.ucf.edu

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu
Phone: 407-823-0147

Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- This minor is not open to Math majors.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (21 hrs)
- BSC 2010C  Biology I  4 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

Restricted Electives (3 hrs)
- Select from the following
  - BCH 4053  Biochemistry  3 hrs
  - PCB 3023  Molecular Cell Biology  3 hrs
  - PCB 3044  Principles of Ecology  3 hrs
  - PCB 3063  Genetics  3 hrs
  - PCB 4933  Evolutionary Biology  4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics - Minor

College of Sciences

Department of Mathematics,
Math and Physics, Room: 207

http://math.ucf.edu

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu
Phone: 407-823-0147

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- MAP 2302  Ordinary Differential Equations I  3 hrs

Restricted Electives (7 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.
- Select two from the following list of options:
  - MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAD XXXX (any 3000, 4000, or 5000 level course)
  - 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
- 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
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Mathematics Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336
Dr. Janet Andreason, ED 123Q, Janet.Andreason@ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses
■ A C- or better is required in these courses
  EDG 4410 Teaching Strategies and Classroom Management  3 hrs
  EDF 4467 Learning Theory and Assessment  3 hrs
  TSL 4080 Theory and Practice of Teaching ESOL  3 hrs
  RED 4043 Content Reading in Kindergarten through Grade 12 Students in Schools  3 hrs
  MAE 4360 Mathematics Instructional Analysis  4 hrs
  MAE 4634 Programs in Teaching of Mathematics  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in mathematics as co-requisites
■ At least 12 hours in the minor must be earned at UCF
■ Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
  ANT 2000 General Anthropology  3 hrs

Required Courses
■ Complete all of the following:
  ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts  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 from the list below:
  ANT 3241 Magic, Ritual, and Belief  3 hrs
  ANT 3302 Sex, Gender and Culture  3 hrs
  ANT 4467 Nutritional Anthropology  3 hrs
  ANT 4516 Human Biological Diversity  3 hrs
  ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth  3 hrs

Restricted Electives, Group B:  6 hrs
■ Select from the list below:
  ANT 3148 Life and Death in Ancient Egypt  3 hrs
  ANT 3541 Biobehavioral Anthropology  3 hrs
  ANT 3701 Engagement & Social Change: Public Anthropology  3 hrs
  ANT 4013 Anthropology of Fast Food  3 hrs
  ANT 4184 Mortuary Archaeology  3 hrs
  ANT 4521 Forensic Anthropology  3 hrs
  ANT 4525C Human Osteology  4 hrs
  ANT 4802 Ethnographic Field Methods  3 hrs
  May substitute a health-related course from another department with prior permission from Anthropology.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health-related fields.

Minor Admission Requirements
■ The minor is not open to Sociology majors.
■ Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
## Minors

### Medieval and Renaissance Studies - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

**Minor Admission Requirements**

- None

**Required Courses**

- Select two courses from the following:
  - SYO 4400 Medical Sociology 3 hrs
  - SYO 2300 Introduction to Sociology or SYG 2010 Social Problems 3 hrs

**Restricted Electives**

- Select from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYO 3408 Animals and Health 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYO 4402 Sociology of Health and Illness Behavior 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - SYO 4401 Social Determinants of Health 3 hrs

May substitute a relevant health-related course from another department with permission from Sociology.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Department of Modern Languages**

**FRW 3100** Survey of French Literature I 3 hrs

**ITW 3100** Survey of Italian Literature I 3 hrs

**SPW 3100** Survey of Spanish Literature I 3 hrs

**SPW 3370** Spanish Short Story 3 hrs

**SPW 4310** Golden Age Drama 3 hrs

**SPW 4322** Contemporary Iberian Theatre 3 hrs

**SPH 4664** Cervantes 3 hrs

**ITT 3443** Dante’s Inferno 3 hrs

**Department of Philosophy**

**PHI 3200** Medieval Philosophy 3 hrs

**HUM 3435** Medieval Humanities 3 hrs

**Other Requirements**

- None

**Total Semester Hours Required**

- 18

**Minor Admission Requirements**

- None

**Required Courses**

- None

**Prerequisite Courses**

- None

**Restricted Electives**

- Select no more than two from each disciplinary group:
  - **Department of Art**
    - ARH 4200 Medieval Art 3 hrs
    - ARH 4310 Italian Renaissance Art 3 hrs
  - **Department of English**
    - ENL 4220 English Renaissance Poetry and Prose 3 hrs
    - ENL 4311 Chaucer 3 hrs
    - ENL 4333 Shakespeare Studies 3 hrs
    - ENL 4341 Milton and His Age 3 hrs
  - **Department of History**
    - AMH 4110 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 3 hrs

**Other Requirements**

- Additional courses may be used only with prior permission of the program director.

**Total Semester Hours Required**

- 18

**Restricted Electives**

- Select no more than two from each disciplinary group:
  - **Department of Art**
    - ARH 4200 Medieval Art 3 hrs
    - ARH 4310 Italian Renaissance Art 3 hrs
  - **Department of English**
    - ENL 4220 English Renaissance Poetry and Prose 3 hrs
    - ENL 4311 Chaucer 3 hrs
    - ENL 4333 Shakespeare Studies 3 hrs
    - ENL 4341 Milton and His Age 3 hrs
  - **Department of History**
    - AMH 4110 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 3 hrs

**Other Requirements**

- Course substitutions may be accepted upon approval of the advisor.

## Middle Eastern Studies - Minor

**College of Arts and Humanities**

**Program in Middle Eastern Studies, Colbourn Hall, Room: 551**


Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

**Minor Admission Requirements**

- None

**Required Courses**

- None

**Prerequisite Courses**

- None

**Restricted Electives**

- Select no more than two from each disciplinary group:
  - **Department of Art**
    - ARH 4200 Medieval Art 3 hrs
    - ARH 4310 Italian Renaissance Art 3 hrs
  - **Department of English**
    - ENL 4220 English Renaissance Poetry and Prose 3 hrs
    - ENL 4311 Chaucer 3 hrs
    - ENL 4333 Shakespeare Studies 3 hrs
    - ENL 4341 Milton and His Age 3 hrs
  - **Department of History**
    - AMH 4110 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 3 hrs

**Other Requirements**

- Additional courses may be used only with prior permission of the program director.

**Total Semester Hours Required**

- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.

**Courses**

- Mediterranean to Modern
- Early modern to present
- Middle Eastern to Modern

**Prerequisite Courses**

- None

**Total Semester Hours Required**

- 18

**Department of Modern Languages**

**FRW 3100** Survey of French Literature I 3 hrs

**ITW 3100** Survey of Italian Literature I 3 hrs

**SPW 3100** Survey of Spanish Literature I 3 hrs

**SPW 3370** Spanish Short Story 3 hrs

**SPW 4310** Golden Age Drama 3 hrs

**SPW 4322** Contemporary Iberian Theatre 3 hrs

**SPH 4664** Cervantes 3 hrs

**ITT 3443** Dante’s Inferno 3 hrs

**Department of Philosophy**

**PHI 3200** Medieval Philosophy 3 hrs

**HUM 3435** Medieval Humanities 3 hrs

**Other Requirements**

- None

**Total Semester Hours Required**

- 18

**Minor Admission Requirements**

- None

**Required Courses**

- None

**Prerequisite Courses**

- None

**Restricted Electives**

- Select no more than two from each disciplinary group:
  - **Department of Art**
    - ARH 4200 Medieval Art 3 hrs
    - ARH 4310 Italian Renaissance Art 3 hrs
  - **Department of English**
    - ENL 4220 English Renaissance Poetry and Prose 3 hrs
    - ENL 4311 Chaucer 3 hrs
    - ENL 4333 Shakespeare Studies 3 hrs
    - ENL 4341 Milton and His Age 3 hrs
  - **Department of History**
    - AMH 4110 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 3 hrs

**Other Requirements**

- Additional courses may be used only with prior permission of the program director.

**Total Semester Hours Required**

- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.

**Courses**

- Mediterranean to Modern
- Early modern to present
- Middle Eastern to Modern
**Minors**

**Music - Minor**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center - Music, Room: M203**

http://music.cah.ucf.edu/

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- (10 hrs)
  - MUT 1004 Fundamentals of Music I
  - 3 hrs
  - MUT 1121 Music Theory and Musicianship I
  - 4 hrs

- Select 1:
  - 3 hrs
  - MUL 2010 Enjoyment of Music or
  - 3 hrs
  - MUL 2016 Evolution of Jazz or
  - 3 hrs
  - MUL 2720 Music of the World or
  - 3 hrs
  - MUH 2017 Survey of Rock Music or
  - 3 hrs
  - MUH 2018 American Popular Music, 1840s-present
  - 3 hrs

**Restricted Electives**

- 9 hrs
- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

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**Military Science - Minor**

**College of Engineering and Computer Science**

**Army ROTC, Classroom Building 2, Room: 321**

LTC Mario Johnson

Phone: 407-823-1872

**Minor Admission Requirements**

- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

**Minor Requirements**

- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

**Prerequisite Courses**

- Military Science Prerequisites:
  - 8 hrs
  - MSL 1001C Foundations of Officership
  - 2 hrs
  - MSL 1002C Basic Leadership
  - 2 hrs
  - MSL 2101C Individual Leadership Studies
  - 2 hrs
  - MSL 2102C Leadership and Teamwork
  - 2 hrs

- Required Courses:
  - 16 hrs
  - MSL 3201C Leadership and Problem Solving
  - 4 hrs
  - MSL 3202C Leadership and Ethics
  - 4 hrs
  - MSL 4301C Leadership and Management
  - 4 hrs
  - MSL 4302C Officership
  - 4 hrs

- Restricted Electives:
  - 3 hrs
  - Select one of the following:
    - 3 hrs
      - AMH 3541 U.S. Military History To 1900
      - AMH 3547 U.S. Military History Since 1900

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

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**Nanoscale Science and Technology - Minor**

**College of Sciences**

**Department of Physics,**

**Physical Sciences Building, Room: 403**

http://www.physics.ucf.edu

Email: physics@ucf.edu

Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

**Admission Requirements**

- None

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) 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.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class. In addition, the students must have completed the following courses, which are taken by most science majors:

Select 1:
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I or 4 hrs

Select 1:
- PHY 2048C Physics for Engineers and Scientists II or 4 hrs
- PHY 2054C College Physics II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Required Courses (9 hrs)
- The three required courses include a 20-hour service learning component:
  - PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
  - PHZ 3464 Nanoscience II: Technological Applications 3 hrs
  - PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs

Restricted Electives (9 hrs)
- Select three courses from the following list. One course must be chosen from the listed from the Physics department. Other electives should be taken with approval of the program director.
  - PHY 3802L Intermediate Physics Laboratory 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanophotonics 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology 3 hrs
  - PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Nonprofit Management/National Certification in Nonprofit Management - Minor

College of Health and Public Affairs

School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses (9 hrs)
- 1 PAD 3930 Nonprofit Leadership Seminar 1 hr
- 1 PAD 4948 Nonprofit Management Internship 3 hrs
- 1 PAD 4144 Nonprofit Organizations 3 hrs

Restricted Electives (9 hrs)
- One credit hour course repeated three semesters.
- Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor.

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 AGC 2021 Principles of Financial Accounting or 3 hrs
  1 AGC 2071 Principles of Managerial Accounting or 3 hrs
  1 MAN 3025 Management of Organizations or 3 hrs
  1 PAD 4131 Public Sector Project Management or 3 hrs
  1 PAD 4204 Fiscal Management 3 hrs
  1 PAD 5850 Grant and Contract Management or 3 hrs
  1 SOW 3401 Social Work Research or 3 hrs
  1 PAD 4153 Planning and Improvement for Public Organizations or
  1 PAD 4325 Program Evaluation for Public and Nonprofit Organizations

Select 2:
- 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
  1 MAN 3301 Strategic Human Resource Management or 3 hrs
  1 MAN 4101 Human Relations in Management or 3 hrs
  1 MAN 4320 Human Resources Recruitment and Selection or
  1 PAD 4844 Human Resource Administration or 3 hrs
  1 PAD 4153 Planning and Improvement for Public Sector or
  1 PAD 4147 Resource Development in the Nonprofit Sector or
  1 SOW 3352 Practice II: Interpersonal Skills in Social Work: or
  1 SPC 3301 Interpersonal Communication 3 hrs

Select 3:
- 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
  1 COM 3110 Business and Professional Communication or 3 hrs
  1 CEB 3031 Integrated Business Foundations or 3 hrs
  1 MAR 3023 Marketing or 3 hrs
  1 MAR 3641 Marketing Intelligence or 3 hrs
  1 MAR 4803 Marketing Management or 3 hrs
  1 PAD 4147 Resource Development in the Nonprofit Sector or
  1 PAD 4948 Nonprofit Leadership Seminar 1 hr
  1 PAD 4204 Fiscal Management 3 hrs
  1 PAD 4232 Public Budgeting Skills and Techniques 3 hrs
  1 PAD 4253 Community & Economic Development 3 hrs
  1 PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

1 Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Public Affairs Emphasis 9 hrs
- Choose at least 3 courses from the following:
  - PAD 4148 Volunteer Management 3 hrs
  - PAD 4153 Planning and Improvement for Public Organizations 3 hrs
  - PAD 4131 Public Sector Project Management 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
  - PAD 4204 Fiscal Management 3 hrs
  - PAD 4232 Public Budgeting Skills and Techniques 3 hrs
  - PAD 4253 Community & Economic Development 3 hrs
  - PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
390 Undergraduate Catalog 2015-2016
North American Indian Studies - Minor

College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for UCF undergraduates who are not majoring in Anthropology.

Minor Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses
■ Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses
■ Choose one course from each of the following categories: (12 hrs)

ANT 3205 Native American Religions
ANT 3312 Ethnology of North American Indians
ANT 4153 North American Archaeology
AMH 3580 North American Indian Studies

Restricted Electives
■ Complete two of the following courses: (6 hrs)

ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest
ANT 3158 Florida Archaeology
ANT 3311 Indians of the Southeastern United States
ANT 3398 Black/Seminole Relations
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
AMH 3441 History of the Frontier: Eastern America
AML 3643 Contemporary Native American Prose and Poetry
CPO 4794 Indigenous Politics and the Environment
POS 3076 American Indian Politics

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor

College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements (6 hrs)
Take one of the following courses: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
Take one of the following courses: 3 hrs
THE 2000 Theatre Survey or 3 hrs
THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
■ The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

ACG 2021 Principles of Financial Accounting 3 hrs
PAD 4144 Nonprofit Organizations 3 hrs
TPA 4400 Theatre Management 3 hrs
MUS 4320 Music Business and Industry 3 hrs

Internship 3 hrs
THE 4941 Internship 1 hr

Restricted Electives (9 hrs)
■ Select three courses, one from each of the three different areas.

Finance & Budgeting
■ FIN 2100 Personal Finance and Investments 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs

Management
■ MAR 3023 Marketing 3 hrs
MAN 3025 Management of Organizations 3 hrs

Nonprofit Sector
■ PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 30

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) are not accepted.
■ At least 15 hours in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
Minors

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- Required Courses (15 hrs)
- Prerequisite Courses

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:
  1. Reasoning
     - PHI 2011 Philosophical Reasoning or
     - PHI 2101 Formal Logic I or
     - PHI 2647 Logic and Ethics or
     - PHI 3131 Formal Logic II or
     - PHI 2108 Critical Thinking
  2. History of Philosophy
     - PHH 3100 Ancient Philosophy or
     - PHI 3200 Medieval Philosophy or
     - PHI 3460 Modern Western Philosophy or
     - PHI 3600 Contemporary Philosophy
  3. Values and Society
     - PHI 3670 Ethical Theory or
     - PHI 3626 Advanced Ethics in Science and Technology or
     - PHM 3401 Philosophy of Law or
     - PHI 3800 Aesthetics or
     - PHM 3123 Feminist Theories or
     - PHI 3638 Ethical Issues in the 21st Century or
     - PHI 3625 Virtual Ethics or
     - PHI 4633 Ethics and Biological Science or
     - PHM 3100 Freedom and Justice or
     - PHI 3640 Environmental Ethics or
     - PHM 4031 Environmental Philosophy or
     - PHI 3701 Native American Philosophy or
     - PHI 3805 Contemporary Aesthetics or
     - PHM 3020 Philosophy of Love or
     - PHI 4073 Medical Ethics

- Select one additional course from any of the courses listed above.
- None

Total Semester Hours Required
- 15

Foreign Language Requirements
- None

Restricted Electives (3 hrs)
- PHI 3022 Sexuality, Gender & Philosophy or
- PHI 3033 Philosophy, Religion, and the Environment or
- PHI 4804 Critical Theory or
- PHP 3783 Modernity as a Philosophical Problem or
- PHI 3750 The Problem of Evil or
- PHI 3720 Faith and Reason or
- PHI 3803 Philosophy and Creativity or
- REL 3111 Religion and Philosophy Through Film or
- PHP 3786 Existentialism or
- PHP 4933 Key Concepts in Philosophy or
- PHP 4931 Key Figures in Philosophy

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 approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Physics - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu

Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 9 hours used in the minor must be earned at UCF within the department.

Required Courses (11 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Courses in upper-level Physics lecture or laboratory courses appropriate for majors

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.
Political Science - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politics.ucf.edu
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
- 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (3 hrs)
POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be used:
  POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Psychology - Minor
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of "C" (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

POS 2041 American National Government 3 hrs
POS 4284 American Constitutional Law I or 3 hrs
POS 4285 American Constitutional Law II or 3 hrs
POS 4401 International Law or 3 hrs
POS 4402 International Law II or 3 hrs
POS 4941 Political Science Internship 3 hrs

Political Science/Prelaw - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
- Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (3 hrs)
POS 2041 American National Government 3 hrs
POS 4603 American Constitutional Law I or 3 hrs
POS 4604 American Constitutional Law II or 3 hrs
POS 4941 Political Science Internship 3 hrs
### Minors

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** *(10 hrs)*
- PSY 2012 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs

**Select one statistics course:** 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Restricted Electives** *(15 hrs)*

#### A. Experimental
**Select 1:** 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- EXP 3640 Psychology of Language 3 hrs

#### B. Personality/Social
**Select 1:** 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- SOP 3904C Social Psychology 3 hrs

#### C. Developmental
**Select 1:** 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

#### D. Diversity
**Select 1:** 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3764 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

#### E. Select one additional Psychology elective 3 hrs
- The following courses will NOT fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 3 hrs
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3905 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 3 hrs
  - PSY 4912 Directed Independent Research 3 hrs
  - *PSY 3951 Undergraduate Field Work 3 hrs

1. This course may fulfill the requirement with prior approval.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 21

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

### Real Estate - Minor

**College of Business Administration**

**Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427**

Open to Business and Non-Business Students. Not available to Real Estate Majors.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(21 hrs)*
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

**Restricted Electives**
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 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.

---

**Public Administration - Minor**

**College of Health and Public Affairs**

**School of Public Administration, Health and Public Affairs II, Room: 238**

http://www.cohpa.ucf.edu/publicadmin

Dr. Michael Abels, michael.abels@ucf.edu, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(21 hrs)*
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

**Restricted Electives** *(6 hrs)*
- Select 2: 6 hrs

**Required Courses** *(12 hrs)*
- FIN 3403 Business Finance 3 hrs
- REE 3433 Real Estate Law 3 hrs

**Required Courses** *(6 hrs)*
- REE 4732 Real Estate Development or 3 hrs
- REE 3614 Environmental Issues for Real Estate or 3 hrs
- REE 4933 Advanced Topics in Real Estate 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.

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**UNIVERSITY OF CENTRAL FLORIDA**

394 Undergraduate Catalog 2015-2016
Religion and Cultural Studies - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

http://philosophy.cah.ucf.edu/

Email: religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course is offered as an online course.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Studying Religion and Culture</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 2000 Introduction to Religious Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Traditions

- Must select one in each category

Abrahamic Traditions (3 hrs)

- REL 3403 Christianity or 3 hrs
- REL 3363 Islam or 3 hrs
- REL 3320 Moses, Jesus and Muhammad or 3 hrs
- REL 3432 Roots of Western Mysticism or 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs

Asian and Indigenous Traditions (3 hrs)

- REL 3340 Buddhist Thought or 3 hrs
- ANT 3245 Native American Religions or 3 hrs
- REL 3333 Hinduism 3 hrs

Theories and Methods (6 hrs)

- Must select one in each category

Religion (3 hrs)

- REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
- REL 4496 Key Concepts in Religion and Cultural Studies or 3 hrs
- PHI 3700 Philosophy of Religion 3 hrs

Cultural Studies (3 hrs)

- HUM 4459 American Cultural Studies in Humanities or 3 hrs
- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4823 Queer Theory in the Humanities or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs
- PHI 4804 Critical Theory 3 hrs

Other Requirements

- A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Must select one from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3111 Religion and Philosophy Through Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3130 Religion in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4110 Religion and the Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4180 Religion and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3112 Religion and 20th Century Fantasy Texts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3101 Religion in Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4178 Religion and Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241 Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550 Introduction of Modernism into Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4632 Religion and Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200 Religion in Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- None

Required Courses

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None
Minors

Other Requirements
- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- A C- or better is required in these courses
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - TL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - SCE 4360 Science Instructional Analysis 4 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in science as co-requisites.
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF.
- Obtain a minimum 2.5 GPA in courses used for the minor.

Secure Computing and Networks - Minor

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Additional Courses
- Required Courses (6 hrs)
  - CIS 3360 Security in Computing 3 hrs
  - CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives
- Elective Courses: Select any four courses from the following list.
  - Select 4: 12 hrs
    - CNT 4403 Network Security and Privacy or 3 hrs
    - CIS 4361 Secure Operating Systems and Administration or 3 hrs
    - CIS 4615 Secure Software Development and Assurance or 3 hrs
    - CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
    - CNT 4704 Analysis of Computer Communication Networks or 3 hrs
    - COP 4600 Operating Systems or 3 hrs
    - EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Social Science Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Restricted Electives
- Select 4: 12 hrs
  - CNT 4403 Network Security and Privacy or 3 hrs
  - CIS 4361 Secure Operating Systems and Administration or 3 hrs
  - CIS 4615 Secure Software Development and Assurance or 3 hrs
  - CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
  - CNT 4704 Analysis of Computer Communication Networks or 3 hrs
  - COP 4600 Operating Systems or 3 hrs
  - EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Science Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- A C- or better is required in these courses
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - TL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - Students in Schools 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - SCE 4360 Science Instructional Analysis 4 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in science as co-requisites.
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF.
- Obtain a minimum 2.5 GPA in courses used for the minor.
### Sociology - Minor
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

**Minor Admission Requirements**
- The minor is not open to Sociology majors.

**Minor Requirements**
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the minor.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-4000 level Sociology courses</td>
<td>3 hrs</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.

### Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Spanish Grammar and Composition</td>
<td></td>
</tr>
<tr>
<td>SPN 3420</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Composition</td>
<td></td>
</tr>
<tr>
<td>SPN 3760</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Spanish Oral Communication</td>
<td></td>
</tr>
</tbody>
</table>

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three upper division Spanish language courses offered in the Department of Modern Languages.</td>
<td></td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (CLEP, TSD, Military credit) may be used.

### Sport Business Management (SPB) - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sport Business Management</td>
<td></td>
</tr>
<tr>
<td>SPB 3603</td>
<td>3</td>
</tr>
<tr>
<td>Diversity and Social Issues in Sport Business Management</td>
<td></td>
</tr>
<tr>
<td>SPB 3823</td>
<td>3</td>
</tr>
<tr>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td></td>
</tr>
<tr>
<td>SPB 4304</td>
<td>3</td>
</tr>
<tr>
<td>Sports Event and Facility Management</td>
<td></td>
</tr>
<tr>
<td>SPB 4804</td>
<td>3</td>
</tr>
<tr>
<td>Sport Business and Media</td>
<td></td>
</tr>
<tr>
<td>GEB 4824</td>
<td>3</td>
</tr>
<tr>
<td>Business Law in Sport &amp; Entertainment</td>
<td></td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- SPB 3003 is the prerequisite for all other required courses in the minor.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must earn a grade of a “C” (2.0) or better, 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.
Minors

- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required courses can count toward another major or minor degree program.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 3023 Statistical Methods I or 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 3023 Statistical Methods I or 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration, Room: 309
http://www.cei.ucf.edu
Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend technical expertise with broad entrepreneurial thinking skills. This combination prepares students to create technology and business model innovations that enrich society and create wealth. This minor prepares students to create technology ventures, including projects developed within corporate settings.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Other Requirements
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.
**Terrorism Studies - Minor**

**College of Sciences**

Department of Political Science,
Howard Phillips Hall, Room: 302

http://www.cos.ucf.edu/politicalscience

Email: politics@ucf.edu

Dr. Paul Vasquez
Phone: 407-823-2608

Awareness of and knowledge about terrorism and counter-terrorism are increasingly essential in a variety of public and private sector organizations. Students in this minor will gain knowledge in competing ideologies that give rise to terrorism, coercive techniques in international affairs, global security management, and key aspects of American security policy. In addition to a core understanding of terrorism, the focus on a specific area of geographic or strategic interest will meet the market needs for individuals with substantive area knowledge. This minor program is available to students from varied disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

**Admission Requirements**

- None

**Minor Requirements**

- A grade of “C” (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 4014</td>
<td>New Venture Implementation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1**

- ENT 4013 New Venture Design or
- EGN 4641C Engineering Entrepreneurship

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 4013</td>
<td>New Venture Design or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4641C</td>
<td>Engineering Entrepreneurship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Innovation Design or Research Sequence 6 hrs**

- Any 6 credit hour sequence approved by the program coordinator in conjunction with faculty in a partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. The following examples of 6 hour course combinations for restricted electives are provided for illustrative purposes. Any 6 hour discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in conjunction with faculty in a partner discipline would satisfy this 6 hour elective requirement. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (ENG 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field of research courses that specifically address entrepreneurship or innovation.

**BSEE, BSCPE:**

- EEL 4914 Senior Design I and 3 hrs
- EEL 4915L Senior Design II 3 hrs

**BSM:**

- EML 4501C Engineering Design I and 3 hrs
- EML 4502C Engineering Design II 3 hrs

**BSAE:**

- EAS 4700C Aerospace Design I and 3 hrs
- EAS 4710C Aerospace Design II 3 hrs

**Digital Media:**

- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.
Minors

- A course history list (including grades) of theatre courses completed at UCF or any other university
- A completed UCF Theatre Department Student Information Form (found on our website)

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)

- THE 2000 Theatre Survey 3 hrs
- THE 3006 Greece to Grease: Development of Theatre 3 hrs
- 1 TPA 2210C Acting I - Introduction 3 hrs
- 2 TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2290L Theatre Participation-Production I 1 hr

1 Can substitute TPP 2185 Acting for Non-Majors or any Acting Class
2 Can substitute any Stagecraft Class.

Restricted Electives (6 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Urban and Regional Planning - Minor

College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin

Dr. Christopher Hawkins, christopher.hawkins@ucf.edu
Phone: 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)

- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4344 Urban Design 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

Restricted Electives

Suggested Courses
- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs
- PAD 4392 Emergency Management and Homeland Security

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

Women’s and Gender Studies - Minor

College of Arts and Humanities

Program in Women’s Studies, Colbourn Hall, Room: 118
http://womensst.cah.ucf.edu/
Email: womensst@ucf.edu
Dr. M.C. Santana, 407-823-6502
Phone: 407-823-6502

The Women’s and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, and sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide students with an opportunity to learn about women’s historical and contemporary roles gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women’s Studies Program. Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

Minor Admission Requirements
- None

Minor Requirements
- Students cannot earn both the minor in Women’s and Gender Studies and the Certificate on Gender Studies.

Prerequisite Courses
- None

Required Courses (12 hrs)

- WST 3603 Introduction to Gender Studies 3 hrs
- WST 3015 Introduction to Women’s Studies 3 hrs
## World Comparative Studies - Minor

### College of Undergraduate Studies

#### Office of Interdisciplinary Studies,

#### Classroom I, Room: 302

http://www.is.ucf.edu

Email: is@ucf.edu

Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

### Minor Admission Requirements

- **None**

### Minor Requirements

- **None**

### Prerequisite Courses

- **None**

### Required Courses (3 hrs)

- IDS 3333 World Comparative Studies 3 hrs

### Restricted Electives (15 hrs)

- **Thematic Concentrations:** Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office.

  - **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.

### 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.

### Economics

- **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.

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### Women’s History

- **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.**

### 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.**

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### Minors

<table>
<thead>
<tr>
<th>Select:</th>
<th>6 hrs</th>
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</thead>
<tbody>
<tr>
<td>Select two courses from the Theories Group, one of which must be a WST prefixed course.</td>
<td></td>
</tr>
</tbody>
</table>
Minors

Biological and Geophysical Environment
IDS 3150  Foundations of Environmental Studies  3 hrs
ECP 3302  Economics and the Environment  3 hrs
SYD 4510  Environment and Society  3 hrs
HFT 4735  Tourism Geography  3 hrs
INR 4351  International Environmental Law  3 hrs
ENV 3001  Introduction to Environmental Engineering  3 hrs
GIS 3043C GIS for Environmental Studies  3 hrs
PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 3640  Environmental Ethics  3 hrs

Social Structure and Change
ANT 3145  Archaeology of Complex Societies  3 hrs
ANT 3273  Law and Culture  3 hrs
ANT 4702  Culture, Inequality and Global Development  3 hrs
PLA 4830  World Legal Systems  3 hrs
SYP 4454  Global Inequality and Society  3 hrs

Media and Communication
FIL 3845  World Cinema Traditions  3 hrs
COM 4461  Intercultural Communication  3 hrs
LIN 4643  Cross Cultural Communication  3 hrs
THE 4212  Global Theatre  3 hrs
FIL 3842  International Cinema  3 hrs

World Independent Specialization
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies Office.

Foreign Language Requirements
- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) by examination.

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements
- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management  3 hrs
- EDF 4467 Learning Theory and Assessment  3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- TSL 4943 L2 Academic Language Instruction  3 hrs
- TSL 4942 ESOL Field Experience  3 hrs

Select 1:
- TSL 4240 Issues in Second Language Acquisition or 3 hrs
- TSL 4945 ESOL Clinical Experience  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

World Languages Education - Languages Other Than English (LOTE) - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Complex, Room: 220L
http://education.ucf.edu/language
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements
- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None
Required Courses (18 hrs)

EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDG 4467  Learning Theory and Assessment  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL in Schools  3 hrs
FLE 4333  Foreign Language Teaching in the Secondary School  3 hrs
FLE 4314  Foreign Language Teaching in Elementary Schools  3 hrs
TSL 4943  L2 Academic Language Instruction  3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

Writing and Rhetoric - Minor

College of Arts and Humanities

Department of Writing and Rhetoric, Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/

Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements

Transfer Notes

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements

- Students should consult with a department advisor.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses

- None

Required Courses (3 hrs)

EDC 3331  Rhetoric and Civic Engagement  3 hrs

Restricted Electives (15 hrs)

Theories and Histories of Writing, Rhetoric, and Literacy

- Students must take at least one course from the following:
  ENC 3373  Cultural Literacy  3 hrs
  ENC 3374  Gendered Rhetorics  3 hrs
  ENC 3375  Writing Across Difference  3 hrs
  ENC 3377  Literacy and Technology  3 hrs
  ENC 3378  Topics in Writing and Literacy Studies  3 hrs
  ENC 3379  Visual and Material Rhetorics  3 hrs
  ENC 3380  Argumentative Writing  3 hrs

Applications of Writing and Rhetoric (6 hrs)

- Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

Civic Rhetoric and Writing

ENC 3311  Essay as Cultural Commentary  3 hrs
ENC 4353  Writing for Social Change  3 hrs
ENC 3375  Rhetoric in Popular Culture  3 hrs
ENC 4354  Writing with Communities and Nonprofits  3 hrs
ENC 3372  Topics in Civic Rhetoric and Writing  3 hrs
ENC 4378  Writing in Global and Transnational Contexts  3 hrs
### Aging Studies - Certificate

**College of Health and Public Affairs**

**School of Social Work,**

**Health and Public Affairs I, Room: 204**

**Email: socialwk@ucf.edu**

Dr. Denise Gammonley  
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- A required internship, along with course options that include service-learning activities, complements the web-based courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

**Prerequisite Courses**

- None

**Required Courses**  
(6 hrs)

- GEY 3001 Gerontology: An Interdisciplinary Overview  
  3 hrs

**Required Internship:** (Select one)  
(3 hrs)

1. SOW 4510 Field Education  
   9 hrs
2. SOW 4941 Internship  
   9 hrs
3. HSA 4841 Internship  
   3 hrs
4. PSY 3951 Undergraduate Field Work  
   3 hrs
5. SYP 4941 Internship  
   3 hrs

1 Full-time social work majors ONLY. Cannot be used with SOW 4941.
2 Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

**Restricted Electives**  
(9 hrs)

- Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

**College of Health and Public Affairs**  
(6 hrs)

- HSA 4220 Long Term Care and Administration  
  3 hrs
- HSA 4222 Long Term Care and Administration  
  3 hrs
- HSC 4564 Health Care Needs of the Elderly  
  3 hrs
- PLA 4530 Legal Issues of the Elderly  
  3 hrs
- SOW 4465 Social Services for the Elderly  
  3 hrs
- NUR 4268 Gerontological Nursing  
  3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions  
  3 hrs

**Other Colleges**  
(3 hrs)

- DEP 3464 Psychology of Aging  
  3 hrs
- SYP 4730 Patterns of Aging in Society  
  3 hrs
1. GEY 5001 Women and Healthy Aging  
   3 hrs
2. SYP 4732 Minority Aging  
   3 hrs

1 Open to undergraduates with senior standing

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15

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### Anthropology of Global Health - Certificate

**College of Sciences**

**Department of Anthropology**

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

**Email: anthro@ucf.edu**

Dr. Joanna Mishal  
Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, nongovernmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

**Admission Requirements**

- None

**Certificate Requirements**

- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

**Prerequisite Courses**

- None

**Required Courses**  
(6 hrs)

- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.

- ANT 4480 Global Health in Anthropological Perspective  
  3 hrs

**Choose one of the following:**

- ANT 4406 Culture, Disease, and Healing  
  3 hrs
- INR 2002 International Relations-Theory and Practice  
  3 hrs

**Restricted Electives**  
(9 hrs)

- Students select 3 additional courses from the following list:

**College of Health and Public Affairs**  
(6 hrs)

- HSA 4220 Long Term Care and Administration  
  3 hrs
- HSA 4222 Long Term Care and Administration  
  3 hrs
- HSC 4564 Health Care Needs of the Elderly  
  3 hrs
- PLA 4530 Legal Issues of the Elderly  
  3 hrs
- SOW 4465 Social Services for the Elderly  
  3 hrs
- NUR 4268 Gerontological Nursing  
  3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions  
  3 hrs

**Other Colleges**  
(3 hrs)

- DEP 3464 Psychology of Aging  
  3 hrs
- SYP 4730 Patterns of Aging in Society  
  3 hrs
1. GEY 5001 Women and Healthy Aging  
   3 hrs
2. SYP 4732 Minority Aging  
   3 hrs

1 Open to undergraduates with senior standing

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15
Certificates

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Relevant Internship, Research, or Independent Study credit can be used to replace one elective course only with prior approval from the certificate advisor.
- One substitution for an Elective Course with another relevant course will only be allowed with prior approval from the certificate advisor.

Prerequisite Courses
- Complete both:
  - PSY 2012 General Psychology 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Complete both classes:
  - PPE 3003 Personality Theory and Research 3 hrs
  - SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses
- Complete both:
  - CLP 4330 Forensic Psychology 3 hrs
  - SOP 3751 Legal Aspects of Psychology 3 hrs
  - SYP 3520 Criminology 3 hrs

Restricted Electives
- Note: It is the student’s responsibility to meet all prerequisites for every course selected

Psychology: Select from the following:
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203C Interviewing and Counseling 3 hrs

Sociology: Select from the following:
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 4514 Patterns of Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs

Criminal Justice: Select from the following:
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 33

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.

Children’s Services - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

Prerequisite Courses
- None

Required Courses
- Complete both:
  - SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
  - SOW 4510 Field Education 3 hrs
  - SOW 4541 Internship 3 hrs

Select 1:
- SOW 4654 Children’s Services 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention 3 hrs

Select 2:
- SOW 4510 Field Education 3 hrs
- SOW 4541 Internship 3 hrs

Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Undergraduate Catalog 2015-2016
Certificates

Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

Crime 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
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CJE 3662  CJ Information Technology and Data Management 3 hrs
- CJE 4663  Crime Mapping and Pattern Analysis 3 hrs
- CCJ 4076  Crime Intelligence and Investigative Support Analysis 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - CJS 3451  Justice System Technology 3 hrs
  - CJE 3444  Crime Prevention 3 hrs
  - CJE 4654  Crime and Place 3 hrs
  - CCJ 3450  The Criminal Justice Manager 3 hrs
  - CJE 4352  Policy Development in Law Enforcement 3 hrs
  - CJE 4572  Justice Agency Operations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects.

Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CCJ 4076  Crime Intelligence and Investigative Support Analysis 3 hrs
- CJE 4654  Crime Mapping and Pattern Analysis 3 hrs
- CCJ 4076  Crime Intelligence and Investigative Support Analysis 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - CCJ 3451  Justice System Technology 3 hrs
  - CJE 3444  Crime Prevention 3 hrs
  - CJE 4654  Crime and Place 3 hrs
  - CCJ 3450  The Criminal Justice Manager 3 hrs
  - CJE 4352  Policy Development in Law Enforcement 3 hrs
  - CJE 4572  Justice Agency Operations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for
which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Studies, History, Anthropology, and Political Science, 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 Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Studies, History, Anthropology, and Political Science.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - AFA 3004 The Black Intellectual Experience 3 hrs
  - AFA 4105 Documenting Africana Heritage and Life 3 hrs
  - SYD 3700 Race and Ethnicity 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 participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 4653 Meso American Art 3 hrs
- CPD 4303 Comparative Latin American Politics 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.

Diplomacy - Certificate

College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302
Department of History, Colbourn Hall, Room: 551
http://politicalscience.cos.ucf.edu/
Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
Certificates

Required Courses (9 hrs)
- INR 4030 Diplomacy 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list: 6 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4502 International Organizations or 3 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EHU 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Educational Studies - Certificate
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/edcert
Email: wwise@ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education and Human Performance. An Education minor that includes a sixth course is also an option for students who choose not to pursue the Educational Studies Certificate. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 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:
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- SSE 4596 Programs in Teaching Social Science 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.

Engineering Leadership - Certificate
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Admission Requirements
- Students must have a declared Computer Science or Engineering major. Not open to students in engineering pending majors.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Discipline specific design course in engineering or 3 hrs
- Computer Science
- EGS 3030 Leadership in Engineering I 0 hrs
- EGS 3031 Leadership in Engineering II 0 hrs
- EGS 4950 Engineering Leadership Capstone 3 hrs

Pick 2 of the following courses 6 hrs
- ENT 4183 Technological Entrepreneurship or 3 hrs
- EGS 4624 Engineering Innovation and Leadership or 3 hrs
- MAR 3391 Professional Selling 3 hrs

1 Engineering Leadership Capstone

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Students must have a minimum grade of “C” (2.0) or Satisfactory (in eligible courses) in all courses in the certificate.
- This certificate must be earned in conjunction with a degree in engineering or Computer Science.
- Not open to students seeking the Engineering Leadership Minor.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.
Entrepreneurship - Certificate
College of Business Administration
Department of Management
Business Administration I, Room 309
Entrepreneurial thinking skills that help individuals recognize opportunities, organize resources, and implement plans are essential to launching new companies and innovative corporate ventures. The entrepreneurship certificate provides students with an interdisciplinary, experiential opportunity to learn how to develop and launch new ventures in a variety of industry settings. The certificate requires students to be admitted into a selective two-course New Venture Development cohort program that engages interdisciplinary teams in the process of designing and launching a new venture. The certificate is open to students in any discipline who are interested in innovation and new venture startup processes.

Admission Requirements
■ Admission by Management Department approval. Requires submission of application. Department committee will select cohorts of approximately 40 participants based on the application and interviews.

certificate Requirements
■ No course grade lower than a “C” (2.0) in the required or elective courses.

Prerequisite Courses
■ None

Required Courses (12 hrs)
ENT 4013 New Venture Design 3 hrs
ENT 4014 New Venture Implementation 3 hrs

Select 2: 6 hrs
ENT 3613 Creativity and Entrepreneurship 3 hrs
ENT 4183 Technological Entrepreneurship 3 hrs
ENT 4503 Social Entrepreneurship 3 hrs
GEB 4111 New Venture Finance 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs
**ENT 4014 New Venture Implementation 3 hrs

1 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (309 BA1).

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ None

Finance: Banking - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
ACG 3131 Intermediate Financial Accounting I 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
FIN 4324 Commercial Bank Management 3 hrs
Select 1: 3 hrs
MAR 3391 Professional Selling or
FIN 4941 Finance Internship 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
ACG 3131 Intermediate Financial Accounting I 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4941 Finance Internship 3 hrs
Select 1: 3 hrs
MAR 3391 Professional Selling or
FIN 4941 Finance Internship 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ None

Finance: Investments - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
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
Certificates

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)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4533</td>
<td>Financial Derivatives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4941</td>
<td>Finance Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

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” (2.0) or better is required in each course used to satisfy the Gender Studies Certificate.
- At least 9 hours used in the certificate must be earned at UCF.

Health Communication - Certificate

College of Sciences
Nicholson School of Communication
Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

Admission Requirements
- None

Certificate Requirements
- Certificates will be awarded only at the time of degree completion.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3022</td>
<td>Health Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4550</td>
<td>Health Communication Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 2004</td>
<td>Mass Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)
Choose from the following:
- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- HSA 3102 Issues & Trends in Public Health 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

Human Biology - Certificate

College of Sciences
Department of Anthropology
http://cos.ucf.edu/anthropology
Department of Biology
http://cos.ucf.edu/biology
Email: nassc@ucf.edu
Phone: 407-823-2681

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is
advisors. Majors other than Anthropology, Biology, or Biomedical Sciences may earn the Human Biology Certificate but must select courses with a certificate advisor.

One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor.

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)

Language
HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs
HBR 2200 Intermediate Modern Hebrew I 3 hrs
HBR 2201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Jewish History
JST 3401 Jewish People in Antiquity 3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
JST 3481 20th Century Jewish History and Thought 3 hrs
JST 3701 History of the Holocaust 3 hrs
JST 3415 American Jewish History 3 hrs
JST 3417 Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
JST 3120 Hebrew Scriptures 3 hrs
JST 3125 The Book of Job 3 hrs
JST 3126 Romantic Love in the Bible 3 hrs
JST 3144 Dead Sea Scrolls 3 hrs
JST 3190 The Biblical Prophets 3 hrs
JST 3424 Biblical Archaeology 3 hrs

Literature
JST 3100 The Hebrew Creative Mind 3 hrs
JST 3312 Identity and Genre 3 hrs
JST 3751 Literature of the Holocaust 3 hrs
JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
JST 3005 Tenets of Judaism 3 hrs
JST 3121 Classic Texts of Judaism 3 hrs
JST 3210 Kabbalah: Jewish Mysticism 3 hrs
JST 3620 Contemporary Jewish Ethics and Morality 3 hrs
Certificates

Culture
- JST 3450 Modern Jewish Experience (3 hrs)
- JST 3810 The Jewish National Movement and Roots of Zionism (3 hrs)
- JST 3820 Modern Israeli Culture (3 hrs)
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism (3 hrs)
- JST 3550 Introduction of Modernism into Judaism (3 hrs)

Other courses, including special topics, with the approval of the Director

Restricted Electives

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

http://www.cohpa.ucf.edu/csd

Email: csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (11 hrs)
- LIN 3716 Language Development (3 hrs)
- SPA 4400 Language Disorders Across the Life Span (3 hrs)
- LIN 3716L Language Development Lab (2 hrs)
- LIN 3713 Language Science (3 hrs)

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 11

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate

College of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom I, Room: 302

http://www.is.ucf.edu

Email: is@ucf.edu

Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (13 hrs)

Foundation Requirement
- LDR 2001 Foundations of Leadership (2 hrs)
- LDR 2002 Intermediate Foundations of Leadership (2 hrs)

Restricted Requirements

- Choose one course from three of the areas below:

  Communication
  - COM 3011C Communication and Human Relations (3 hrs)
  - COM 3120 Organizational Communication (3 hrs)
  - COM 4461 Intercultural Communication (3 hrs)
  - COM 4462 Conflict Management (3 hrs)

  Collaboration
  - INP 3004 Industrial/Organizational Psychology (3 hrs)
  - INP 4313 Organizational Psychology (3 hrs)
  - MAN 4240 Organizations: Theory and Behavior (3 hrs)
  - MAN 3025 Management of Organizations (3 hrs)
  - SPC 4426 Group Dynamics (3 hrs)

  Social Relations and Culture
  - ANT 3541 Biobehavioral Anthropology (3 hrs)
  - CLP 3143 Abnormal Psychology (3 hrs)
  - COM 4461 Intercultural Communication (3 hrs)
  - EXP 3304C Motivation (3 hrs)
  - SOP 304C Social Psychology (3 hrs)
  - SOP 3723 Cross Cultural Psychology (3 hrs)
  - SOP 3742 Psychology of Women (3 hrs)
  - SOP 3784 Psychology of Diversity (3 hrs)

  Politics
  - PAD 3003 Public Administration in American Society or
  - PAD 4104 Administrative Theory or
  - PAD 4144 Nonprofit Organizations or
  - PAF 4754 Interdisciplinary Leadership in Public Affairs or
  - POS 3413 The American Presidency or
  - POS 4206 Political Psychology or
  - PUP 3325 Women and Political Behavior (3 hrs)

  Ethics
  - BUL 3130 Legal and Ethical Environment of Business or
  - EDF 3601 Professional Ethics in Education or
  - PAD 3040 Ethics and Values in Public Administration or
  - PHI 2108 Critical Thinking or
  - PHI 3640 Environmental Ethics (3 hrs)

UNIVERSITY OF CENTRAL FLORIDA
412 Undergraduate Catalog 2015-2016
Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: anthro@ucf.edu
Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
■ None

Certificate Requirements
■ A minimum overall 2.0 GPA is required in courses used to satisfy the requirements.
■ At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
■ Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses
■ Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

ANT 3163 Mesoamerican Archaeology 3 hrs
ANT 3164 Ancient Incas 3 hrs
ANT 3165 Archaeology of South America 3 hrs
ANT 3168 Maya Archaeology 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3398 Black/Seminole Relations 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
LAS 3101 Latin American Popular Culture 3 hrs
CPO 4794 Indigenous Politcs and the Environment 3 hrs
POS 3076 American Indian Politics 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 13

Other Requirements
■ Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
■ At least 12 credit hours used in the certificate must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
■ Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, stephanie.krick@ucf.edu, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
PAD 4144 Nonprofit Organizations 3 hrs
PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restricted Electives (3 hrs)
■ See advisor for approved courses

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.

Professional Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
http://web.bus.ucf.edu

Admission Requirements
■ Business majors other than marketing.
Certificates

Certificate Requirements
- Admission to, and successful completion of all the requirements for the Professional Selling Program.

Prerequisite Courses
- None

Required Courses
- MAR 3391 Professional Selling 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs
- MAR 441B Strategic Sales Force Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students should consult with a department advisor.
- Students cannot earn both the Certificate in Public and Professional Writing and the Minor in Writing and Rhetoric.

Prerequisite Courses
- None

Required Courses
- ENC 3311 Rhetoric and Civic Engagement 3 hrs
- Select 1: 3 hrs
  - ENC 3351 Writing for the Technical Professional 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs

Restricted Electives
- None

Applications of Public and Professional Writing
3 hrs

Writing
- Students must take one of the following courses:
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 4354 Writing with Communities and Nonprofits 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 4212 Professional Editing 3 hrs
  - ENC 3453 Writing About Health and Medicine 3 hrs
  - ENC 3455 Writing about Science and Technology 3 hrs
  - ENC 4353 Writing for Social Change 3 hrs
  - ENC 3833 Marketing Your Writing 3 hrs
  - ENC 3433 Multimedia Writing and Composition 3 hrs
  - ENC 4378 Writing in Global and Transnational Contexts 3 hrs

Additional Restricted Elective
- Students must take one of the following courses:
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 4354 Writing with Communities and Nonprofits 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 4212 Professional Editing 3 hrs
  - ENC 3453 Writing About Health and Medicine 3 hrs
  - ENC 3455 Writing about Science and Technology 3 hrs
  - ENC 4353 Writing for Social Change 3 hrs
  - ENC 3833 Marketing Your Writing 3 hrs
  - ENC 3433 Multimedia Writing and Composition 3 hrs
  - ENC 4378 Writing in Global and Transnational Contexts 3 hrs

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

 Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- (15 hrs)
  - REE 3043 Fundamentals of Real Estate 3 hrs
  - REE 3433 Real Estate Law 3 hrs
  - REE 4204 Residential Real Estate Finance 3 hrs
  - REE 4203 Commercial Real Estate Finance 3 hrs

Select 1:
- 3 hrs
  - MAR 3391 Professional Selling or 3 hrs
  - REE 4941 Internship 3 hrs

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>† REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

> Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ None

Security Management - Certificate

College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century.

A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
■ There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC 3311</td>
<td>Security Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3803</td>
<td>Security Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 4843</td>
<td>Risk Management in Criminal Justice/</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Private Security</td>
<td></td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)
■ Select one of the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3821</td>
<td>Practical Security Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCC 3316</td>
<td>Special Security Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.

Service-Learning - Certificate

College of Undergraduate Studies
Office of Experiential Learning, CSEL, Suite 300
http://www.explearning.ucf.edu
A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on
Certificates

Certificates 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four UCF-approved SL courses</td>
<td></td>
</tr>
<tr>
<td>Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule. Students may also contact the Office of Experiential Learning to clarify SL designated courses.</td>
<td></td>
</tr>
</tbody>
</table>

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 and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 220B
http://education.ucf.edu/subteach
Email: wwise@ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2007</td>
<td>Introduction to Substitute Teaching</td>
</tr>
<tr>
<td>EDF 2250</td>
<td>Classroom Management for Substitute Teachers</td>
</tr>
<tr>
<td>EDG 2311</td>
<td>Teaching Strategies for Substitute Teachers</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- (12 hrs)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 3346</td>
<td>English as an International Language</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
</tr>
<tr>
<td>TSL 4363</td>
<td>ESL Classroom Experiences</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- (15 hrs)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPT 3800</td>
<td>Spanish Translation and Interpretation</td>
</tr>
<tr>
<td>SPT 3805</td>
<td>Spanish Translation and Interpretation for Mass Communication</td>
</tr>
</tbody>
</table>
Certificates

SPT 3809  Medical Spanish Translation/Interpretation  3 hrs
SPT 3831  Spanish Legal Translation and Interpretation  3 hrs
SPN 4941  Internship  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 within the Department.
- Independent Study or Co-op credit cannot be used toward the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate

College of Health and Public Affairs

Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. MaryAnn Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses  (9 hrs)

- CCJ 3667 Victims and the CJ System  3 hrs
- CCJ 4670 Women and Crime  3 hrs
- CCJ 4681 Domestic Violence and the Justice System  3 hrs

Restricted Electives  (6 hrs)

- Select two of the following:
  - SYP 4521 Crime Victims in Society  3 hrs
  - NUR 4516 Crisis Intervention  3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice  3 hrs
  - CJJ 4564 Juvenile Justice System  3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System  3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Seetha Raghavan, seetha.raghavan@ucf.edu, 407-823-1737
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Phone: 407-823-5448

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE or MSME program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

   EGS 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (51 hrs)

   EGN 3310  Engineering Analysis-Statics  3 hrs
   EGN 3343  Thermodynamics  3 hrs
   EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   STA 3032  Probability and Statistics for Engineers  GEP
   EAS 3101  Fundamentals of Aerodynamics  3 hrs
   EAS 3800C  Aerospace Engineering Measurements  3 hrs
   EAS 3810C  Design of Aerospace Experiments  3 hrs
   EAS 4105  Flight Mechanics  3 hrs
   EAS 4134  High-Speed Aerodynamics  3 hrs
   EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
   EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EAS 4200  Analysis & Design of Aerospace Structures  3 hrs
   EML 3217  Engineering Mechanics - Dynamics  3 hrs
   EML 4225  Introduction to Vibrations and Controls  3 hrs
   EML 3701  Fluid Mechanics I  3 hrs
   EML 4142  Heat Transfer  3 hrs

5. Restricted Electives (12 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

   EAS 4700C  Aerospace Design I  3 hrs
   EAS 4710C  Aerospace Design II  3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required 128
Total Combined Hours Required 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

Communication Sciences and Disorders -
Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 16 credit hours of graduate course work will be formally admitted into the master’s program in Communication Sciences and Disorders following receipt of the bachelor’s degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology (3 hrs)
   Select 1: ECO 2013 Principles of Macroeconomics (3 hrs)
   or ECO 2023 Principles of Microeconomics (3 hrs)
   Suggested POS 2041 American National Government (3 hrs)

E: Science Foundations (6 hrs)
   Required PHY, CHM, or FSC course listed in GEP E.1 (3 hrs)
   Any BSC course listed in GEP E.2 or ANT 2511 (3 hrs)

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics (GEP)
   PSY 2012 General Psychology (GEP)
   Any BSC course or ANT 2511 (GEP)
   PHY, PSC or CHM (GEP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (50 hrs)
   SPA 3471 Communication Disorders in Literature and Media (3 hrs)
   SPA 3101 Physiological Bases of Speech and Hearing (3 hrs)
   SPA 3112 Basic Phonetics (3 hrs)
   SPA 3112L Basic Phonetics Lab (1 hr)
   LIN 3716 Language Development (3 hrs)
   SPA 3011 Speech Science I: Production (3 hrs)
   SPA 3011L Speech Production Lab (1 hr)
   SPA 3104 Neural Bases of Communication (3 hrs)
   SPA 3123 Speech Science II: Perception (3 hrs)
   SPA 3123L Speech Perception Lab (1 hr)
   SPA 4032 Audiology (3 hrs)
   SPA 4326 Hearing Disorders Across the Lifespan (3 hrs)
   DEP 2004C Developmental Psychology (3 hrs)
   LIN 3716L Language Development Lab (2 hrs)
   LIN 3713 Language Science (3 hrs)
   Select 1: EAB 3703C Principles of Behavior Modification or EEX 4601 Introduction to Behavior Management or EE 4604 Classroom Management and Guidance of Young Children or EDF 3303 Learning Environments and Guidance for Young Children or SPA 3472 Guidance of Young Children with Communication Disorders or EEX 3450 Young Children With Special Needs (3 hrs)

Statistics Requirement 6 hrs
   Students have two options in completing this requirement:
   Option 1: STA 2023 Statistical Methods I and STA 4163 Statistical Methods II (6 hrs)
   Option 2: STA 2014C Principles of Statistics and SPA 6805 Research in Communicative Disorders (3 hrs)
   or STA 2023 Statistical Methods I and SPA 6805 Research in Communicative Disorders (3 hrs)

5. Restricted Electives (9 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
   None
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7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of “B” in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

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Shared Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6496</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

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Computer Engineering - Accelerated Undergraduate-Graduate Program

(B.S.Cp.E. / M.S.Cp.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science

Science, Harris Corp. Engineering Center, Room: 439

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Email: eeece-grad@eecs.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core

- EGN 1007C Engineering Concepts and Methods 2 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core

- EGN 1007C Engineering Concepts and Methods 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- STA 3033G Introduction to Probability and Statistics 3 hrs

Select 1:

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major

- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs

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UNIVERSITY OF CENTRAL FLORIDA

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### Accelerated Undergraduate-Graduate Programs

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science**

**Science, Harris Corp. Engineering Center, Room: 437**

http://www.eecs.ucf.edu

Dr. Hassan Foroosh, foroosh@eecs.ucf.edu

Kelly Brussel, kelly.brussel@ucf.edu

Phone: 407-823-3327

**Admission Requirements**

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.

Admission is not automatic. Interested students may need to be interviewed.

Admission to the Accelerated Program does not guarantee formal admission to the MS program.

**Degree Requirements**

None

1. **UCF General Education Program (GEP) (39 hrs)**

- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. **Common Program Prerequisites (CPP) (17 hrs)**

- See Computer Science major in the catalog for the CPP requirements.

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### COP 3330 Object Oriented Programming 3 hrs

### COP 4331C Processes for Object-Oriented Software Development 3 hrs

### EEL 3004C Electrical Networks 3 hrs

### EEL 3123C Networks and Systems 4 hrs

### EEE 3307C Electronics I 4 hrs

### EEE 3342C Digital Systems 3 hrs

### EEL 3801C Computer Organization 3 hrs

### EEL 4742C Embedded Systems 4 hrs

### EEL 4768 Computer Architecture 3 hrs

### EEL 4781 Computer Communication Networks 3 hrs

### COP 4600 Operating Systems 3 hrs

### EGN 3211 Engineering Analysis and Computation 3 hrs

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5. **Restricted Electives (9 hrs)**

- Technical electives should be taken at the 5000 level and are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. **Capstone Requirements (6 hrs)**

- COP 4331C Processes for Object-Oriented Software Development

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.

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3. Core Requirements: Basic Level (24 hrs)
   STA 2023  Statistical Methods I  GEP
   COP 3340  Object Oriented Programming  3 hrs
   COP 4302C  Computer Science I  3 hrs
   COP 3303C  Computer Science II  3 hrs
   CDA 3103C  Computer Logic and Organization  3 hrs
   COT 3100C  Introduction to Discrete Structures  3 hrs
   CIS 3380  Security in Computing  3 hrs
   COP 3402  Systems Software  3 hrs
   COP 3960  CS Foundation Exam  0 hrs
   Select 1:
   ENC 3241  Writing for the Technical Professional or 3 hrs
   ENC 3250  Professional Writing  3 hrs

4. Core Requirements: Advanced Level (21 hrs)
   - A "C" (2.0) or better is required in all courses listed.
   - Students must maintain at least a 2.5 GPA in the following courses.
   COP 4331C  Processes for Object-Oriented Software Development  3 hrs
   EEL 4768  Computer Architecture  3 hrs
   COT 4210  Discrete Structures II  3 hrs
   COP 4020  Programming Languages I  3 hrs
   COP 4600  Operating Systems  3 hrs
   COP 4934  Senior Design I  3 hrs
   COP 4935  Senior Design II  3 hrs

5. Restricted Electives (15 hrs)
   5000 level Computer Science courses  9 hrs
   - At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed.
   - Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics  6 hrs
   - courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
   - No independent study hours, internship, or cooperative education hours are allowed.
   MAC 2313  Calculus with Analytic Geometry III  4 hrs
   MAP 2302  Ordinary Differential Equations I  3 hrs
   MAS 3105  Matrix and Linear Algebra  4 hrs
   MAS 3106  Linear Algebra  4 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation
   - Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

8. Electives (4 hrs)
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required  120

Total Combined Hours Required
- 138

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oews.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu
Email: eecep-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.
Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Electrical Engineering major in the catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

   Engineering Core: Basic
   - 2 hrs
   - EGS 106C Introduction to the Engineering Profession 1 hr
   - EGN 107C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

   Engineering Core: Advanced
   - 9 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - STA 3032 Probability and Statistics for Engineers 2 hrs
   - PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
   - 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics or Thermodynamics of Materials 3 hrs
   - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major
   - 44 hrs
   - EEL 3004C Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 3 hrs
   - EEL 3350 Semiconductor Devices I 3 hrs
   - EEL 3307C Electronics I 3 hrs
   - EEL 3342C Digital Systems I 3 hrs
   - EEL 3470 Electromagnetic Fields 3 hrs
   - EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C Computer Organization 3 hrs
   - EEL 4309C Electronics II 4 hrs
   - EEL 4750 Digital Signal Processing Fundamentals 3 hrs
   - EEL 4742C Embedded Systems 3 hrs
   - EGN 3211 Engineering Analysis and Computation 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
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

Total Undergraduate Hours Required
   - 128

Total Combined Hours Required
   - 146

Honors In Major
   - None

Related Programs
   - Computer Engineering
   - Computer Science
   - Mathematics - Engineering/Physics Track
   - Physics

Certificates
   - None

Related Minors
   - Engineering Leadership
   - Intelligent Robotic Systems (IRS) - Interdisciplinary
   - Mathematics
   - Physics

Advising Notes
The following will be waived for this joint degree program:
   - The limit of nine hours to be shared between undergraduate and graduate programs.
   - Undergraduate students taking graduate courses must be within nine hours of graduation.
   - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
   - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None

Shared Courses
   - Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link
   - None

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

Equipment Fees
   - Part-Time Student: $30 per term
   - Full-Time Student: $60 per term

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Peter Larson
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- One official transcript (in a sealed envelope) from each college/university attended.
- A 3.5 GPA or higher in history courses
- Official competitive Graduate Record Exam (GRE) score taken within the last five years.
- An essay indicating reasons for wishing to complete the combined bachelor's/master's program.
- Three letters of recommendation from History faculty.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level course work to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
   - See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
   - Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.

EUH 2000 Western Civilization I 3 hrs
EUH 2001 Western Civilization II 3 hrs
WOH 2012 World Civilization I 3 hrs
WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
   - Must be taken within the History Department)
   - Select six hours of approved history courses 18 hrs
   - within three of the four geographic regions:
     - Asian, African, and Middle Eastern
     - British and European
     - Latin American
     - U.S. and Canadian

6. Capstone Requirements
   - HIS 4859 History Portfolio 0 hrs

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

Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest.
   - Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

Graduate Degree Requirements
   - The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
   - Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
   - After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
   - Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
   - Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
   - Students complete nine hours of graduate-level courses their senior year.
   - Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
   - Students enroll in nine hours of graduate-level courses in both spring and fall seminars 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 (HIS 4959) during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Undergraduate Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- Africana Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

#### Shared Courses
- None

#### Graduate Courses Link
- None

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

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### 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**


Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636

Phone: 407-823-2204

#### Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
- Admission is not automatic. Interested students may need to be interviewed

#### Degree Requirements
- None

1. **UCF General Education Program (GEP) (38 hrs)**
   - See Industrial Engineering major is the Catalog for track specific GEP requirements.
   - **A:** Communication Foundations (9 hrs)
   - **B:** Cultural & Historical Foundations (9 hrs)
   - **C:** Mathematical Foundations (7 hrs)
   - **D:** Social Foundations (6 hrs)
   - **E:** Science Foundations (7 hrs)

2. **Common Program Prerequisites (CPP) (19 hrs)**
   - See Industrial Engineering major in the Catalog for the CPP requirements.
   - See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. **Core Requirements: Basic Level (60 hrs)**
   - **Industrial Engineering Core: Basic (2 hrs)**
     - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
   - EGS 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level (59 hrs)**
   - **Graduate courses used to complete the Accelerated BS to MS will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS.** A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI, STA and MAS. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.
   - EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
     - COP 3223C Introduction to Programming with C 3 hrs
   - EGN 3310 Engineering Analysis-Statistics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3032 Probability and Statistics for Engineers 4 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - EIN 3314 Work Analysis and Design 3 hrs
   - EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
   - ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
   - ESI 4234 Quality Engineering 3 hrs
   - EIN 4243C Human Engineering 3 hrs
   - EIN 4333 Production and Distribution Systems 3 hrs
   - EIN 4364 Facilities Planning 3 hrs
   - EIN 4391 Manufacturing Engineering 3 hrs
Accelerated Undergraduate-Graduate Programs

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

Acceptable Substitutes for Transfer Courses

Shared Courses

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

Equipment Fees

Full-Time Student: $77 per term

Full-Time Student: $77 per term

Mechanical Engineering - Accelerated

Undergraduate-Graduate Program

(B.S.M.E. / M.S.M.E., M.S.M.S.E. or M.S.A.E.)

College of Engineering and Computer Science

Department of Mechanical and Aerospace Engineering, Engineering, Room: 381

http://www.mae.ucf.edu

Dr. Seetha Raghavan, seetha.raghave@ucf.edu, 407-823-1737

Dr. Hyoun Jeong "Joe" Cho, hjcho@ucf.edu, 407-823-8014

Phone: 407-823-5448

Admission Requirements

See Common Program Prerequisites.

Qualiﬁed students may apply after completion of a minimum of 64 credit hours.

Completion of no more than 96 credit hours.

Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, or MSAE program.

Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

None

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

See Mechanical Engineering major in the Catalog for track speciﬁc GEP requirements

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

EGS 1006C: Introduction to the Engineering Profession 1 hr

EGN 1007C: Engineering Concepts and Methods 1 hr
4. Core Requirements: Advanced Level (63 hrs)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
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</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
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<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
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<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3217</td>
<td>Engineering Mechanics - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Design and Analysis of Machine Components</td>
<td>3 hrs</td>
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Select 2 of the Following: 6 hrs

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<tr>
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<td>Thermodynamics of Mechanical Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4143</td>
<td>Heat Transfer II</td>
<td>3 hrs</td>
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<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and Controls</td>
<td>3 hrs</td>
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<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4504</td>
<td>Design &amp; Analysis of Machine Components</td>
<td>3 hrs</td>
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Select 1 of the Following: 3 hrs

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<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4301C</td>
<td>Mechanical Systems Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4306C</td>
<td>Energy Systems Lab</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives

Approved Electives 18 hrs

Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (6 hrs)

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

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.

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 and Aerospace Engineering department for a list of acceptable courses.

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.
Accelerated Undergraduate-Graduate Programs

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
- Admission to the university must also be completed by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0
- Selected applicants will be invited to a mandatory personal interview session
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A
- grade of C (2.0) or better
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab (or A&P I, II) 4 hrs
  - CHM 1032 General Chemistry 3 hrs
  - or other approved Science

Group B
- grade of C (2.0) or better
  - Sociology or 3 hrs
  - Psychology
  - Developmental Psychology 3 hrs
  - Human Nutrition 3 hrs
  - Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
   - Communication Foundations
   - Cultural & Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.
   - MCB 2004C Microbiology for Health Professionals 4 hrs
   - CHM 1032 General Chemistry 3 hrs
   - ZOO 3733C Human Anatomy 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - HUN 3011 Human Nutrition 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

1 science prerequisite
2 or other approved science prerequisite

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.
     - NUR 3065 Health Assessment 2 hrs
     - NUR 3065L Health Assessment Lab 1 hr
     - NUR 3028 Essentials of Nursing Practice 3 hrs
     - NUR 3028L Essentials of Nursing Practice Lab 1 hr
     - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
     - NUR 3616 Health Promotion Across the Lifespan 2 hrs
     - NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
     - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
     - NUR 3145 Pharmacology for Nursing Practice 3 hrs
     - NUR 3225 Nursing Care of the Adult I 3 hrs
     - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
     - NUR 3316 Professional Nurse Seminar 1 hr
     - NUR 3445 Nursing Care of Families 4 hrs
     - NUR 3445L Nursing Care of Families Clinical 2 hrs
     - NUR 3167 Accelerated Nursing Research Seminar 1 hr
     - NUR 4227 Nursing Care of the Adult II 4 hrs
     - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
     - NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
     - NUR 4257 Introduction to Critical Care Nursing 3 hrs
     - NUR 4945L Nursing Practicum 4 hrs
     - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
     - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
     - NUR 4637 Public and Community Health Nursing 3 hrs
     - NUR 4637L Public Health Nursing Clinical 1 hr

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
   - Nursing Elective 3 hrs
   - Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
   - None
7. Foreign Language Requirements
   ▪ None
8. Electives
   ▪ None
9. Additional Requirements
   ▪ Mandatory Drug Screening is required prior to admission and "on demand" for continuation in the program.
   ▪ Complete all courses in major with at least a "C" (2.0) or better
   ▪ Maintain a UCF GPA of 2.5 or above
   ▪ Maintain a College of Nursing GPA of 2.5 or above
10. Required Minors
    ▪ None
11. Departmental Exit Requirements
    ▪ Completion of all courses in major with a grade of "C" (2.0) or better
    ▪ UCF GPA of 2.5 or above
    ▪ College of Nursing GPA of 2.5 or above
12. University Minimum Exit Requirements
    ▪ A 2.0 UCF GPA
    ▪ 60 semester hours earned after CLEP awarded
    ▪ 48 semester hours of upper division credit completed
    ▪ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ▪ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ▪ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Undergraduate Hours Required**
- 60

**Honors In Major**
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- None

**Related Minors**
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032) or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086) (8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. (4 hrs)
- Developmental Psychology (DEP 2004C) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

**Shared Courses**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

**Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.) College of Nursing**

**UTWR, Room: 3rd floor**
http://www.nursing.ucf.edu/

**Email:** ucfnurse@ucf.edu

- Dr. Stephen Heglund, RN to MSN Coordinator
- Dr. Mary Lou Sole, Interim Dean
- Dr. Maureen Covelli, Assoc. Dean Undergraduate
- Dr. Susan Chase, Assoc. Dean Graduate
- Phone: 407-823-2744

An accelerated program culminating in the Bachelor’s degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor’s degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003.

**Admission Requirements**
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

**All applicants must meet the following criteria:**
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program

**Interim Requirements:**
- Maintain a Nursing GPA of 3.0

**Admission Requirements for Graduate Program Phase:**
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
Accelerated Undergraduate-Graduate Programs

Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.

Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.

The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

UCF Residency Requirement: 30 hours

The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.

The MSN is awarded after completion of graduate program.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer MAC 1105C College Algebra 3 hrs
Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
Prefer MAC 1105C College Algebra 3 hrs
Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
1 Prefer SYG 2000 Introduction to Sociology or
1 Prefer PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics or 3 hrs
Prefer POS 2014 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (7 hrs)
Suggested BSC 2010C Biology I 4 hrs
Required CHM 1032 General Chemistry 3 hrs

1 or other approved science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011), Physiology, and Microbiology

2. Common Program Prerequisites (CPP) (18 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs
1 CHM 1032 General Chemistry GEP
2 ZOO 3733C Human Anatomy 4 hrs
2 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
1 STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
SOW 3104 Human Behavior and the Social Environment I or
DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of six-eight total credits.
3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (30 hrs)
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4940L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 4837 Public and Community Health Nursing 3 hrs

NURSE EDUCATOR / CLINICAL NURSE 12 hrs

LEADER TRACKS
Take the following 12 credits (nine graduate credits also applied to MSN)
NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
1 NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and Pathophysiological Bases for Advanced Nursing Practice and 1 hr
NGR 5141 Nursing Practice and Nursing Leadership, and Management, and Role Transition and 3 hrs
NUR 4828 Theory for Advanced Practice Nursing 3 hrs

NURSING LEADERSHIP & MANAGEMENT 12 hrs

TRACK
Take the following 12 credits (nine graduate credits also applied to MSN)
NGR 5720 Organizational Dynamics and Health Care Informatics and 3 hrs
NGR 5871 Health Care Issues, Policy, and Economics 3 hrs
NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
NUR 3065 Health Assessment and 2 hrs
NUR 3065L Health Assessment Lab 1 hr

1 On campus attendance required.

5. Restricted Electives

Upper Division Credit 29 hrs
May be met by validation and RN License.
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3733L 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

6. Capstone Requirements

None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
Graduation
None

8. Electives
Variable to meet degree requirements.

9. Additional Requirements
A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
Accelerated Undergraduate-Graduate Programs

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Completion of all courses in major with a grade of "B" (3.0) or better
   ■ Cumulative GPA of 2.5 or above
   ■ College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
   ■ 120

Honors In Major
   ■ Contact CON HIM Advisor or Program Coordinator

Related Programs
   ■ Health Services Administration
   ■ Certificates
   ■ Aging Studies

Related Minors
   ■ Psychology
   ■ Health Sciences
   ■ Health Services Administration
   ■ Health Information Management

Advising Notes
   ■ Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
   ■ A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
   ■ None

Shared Courses
   ■ None

Graduate Courses Link
   ■ None

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
   ■ Part-Time Student: $25 per term
   ■ Full-Time Student: $50 per term

UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
(B.A. / B.S. to J.D.)

College of Health and Public Affairs

Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andreas School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
   ■ Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
   ■ Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements, all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
   ■ Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.
   ■ Participating students may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill the successful completion of the student’s electives needed for graduation.
   ■ Only courses with grades of “C” (2.0) or better can be transferred to UCF’s legal studies’ program of study.
   ■ Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements. Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   ■ None
### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (18 hrs)
- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
  - PLA 3014 Law and the Legal System: 3 hrs
  - PLA 3108 Legal Research: 3 hrs
  - PLA 3155 Legal Writing: 3 hrs
  - PLA 3205 Civil Practice and Procedure: 3 hrs
  - PLA 3615 Property and Real Estate Law: 3 hrs
  - PLA 4703 Professional Ethics and Liability: 3 hrs

### 5. Restricted Electives (30 hrs)
#### Upper Division Restricted Electives 21 hrs
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
    - Supporting Courses 9 hrs
      - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete fifteen hours of supporting courses chosen with the approval of the student’s advisor.
    - Capstone Requirements (3 hrs)
      - Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
        - PLA 4935 Capstone: Legal Issues: 3 hrs
    - 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.

### 6. Additional Requirements
- Students in the accelerated program will complete the following courses in their first year at either Barry or Touro Law:
  - **Barry Law School:**
    - **Fall Semester**
      - LAW 5307 Contracts I: 3 hrs
      - LAW 5101 Civil Procedure I: 3 hrs
      - LAW 5228 Property I: 3 hrs
      - LAW 5109 Torts I: 3 hrs
      - LAW 5010 Legal Research and Writing I: 3 hrs
    - **Spring Semester**
      - LAW 5407 Contracts II: 3 hrs
      - LAW 5201 Civil Procedure II: 2 hrs
      - LAW 5328 Property II: 2 hrs
      - LAW 5209 Torts II: 2 hrs
      - LAW 5020 Legal Research and Writing II: 3 hrs
      - LAW 5106 Criminal Law: 3 hrs
  - **Touro Law School:**
    - **Fall Semester**
      - LAW 633 Legal Process I: 3 hrs
      - LAW 671 Civil Dispute Resolution and Procedure I: 3 hrs
      - LAW 610 Contracts I: 3 hrs
      - LAW 615 Torts I: 3 hrs
      - LAW 617 Criminal Law I: 3 hrs
    - **Spring Semester**
      - LAW 633 Legal Process II: 3 hrs
      - LAW 672 Civil Dispute Resolution and Procedure II: 3 hrs
      - LAW 611 Contracts II: 3 hrs
      - LAW 628 Torts II: 3 hrs
      - LAW 631 Property I: 3 hrs

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- For the accelerated program, the degree is awarded after successful completion of the first year of law school at either Barry or Touro Law and completion of all UCF requirements. All course work must be at the "C" (2.0) level or higher for transfer purposes.
  - The accelerated program student must have completed all of the UCF General Education Program Requirements, all requirements for the Legal Studies Major, and a minimum of 90 combined credit hours of work at UCF before matriculating to law school under this program.
  - Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.
  - For students decelerating to the four year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Undergraduate Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Criminal Justice
- History
- Political Science
- English - Pre-Law Track

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Shared Courses
- None

### Graduate Courses Link
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.ceas.ucf.edu/academiclearningcompacts.html](http://www.ceas.ucf.edu/academiclearningcompacts.html)
ARTICULATED A.S. PROGRAMS

The University offers four specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the articulated A.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

5. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students who change degree programs and select this program will come from the following areas:

- Hospitality Management, and Nursing.
- Criminal Justice Technology, or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all the appropriate requirements for the new degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director 407-823-2809, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)
College of Undergraduate Studies
Regional Campuses Administration,
12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu/
Jennifer Sumner, Jennifer.Sumner@ucf.edu, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

Students who change degree programs and select this program will come from the following areas:

- Hospitality Management, and Nursing.
- Criminal Justice Technology, or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all the appropriate requirements for the new degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director 407-823-2809, or the Director of Transfer and Transition Services, 407-823-2231.

Admission Requirements

- Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

- Students must earn 42 semester hours of upper level credit.

- Students who change degree programs and select this major must adopt the most current catalog.

- Students students must maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

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

- Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (9 hrs)

MAN 3025 Management of Organizations 3 hrs
Select 1: 3 hrs
BUL 3130 Legal and Ethical Environment of Business or PLA 3014 Law and the Legal System
BUL 3130 Legal and Ethical Environment of Business or PLA 3014 Law and the Legal System

Select 1: 3 hrs
ESC 3241 Writing for the Technical Professional or ENC 3250 Professional Writing
ESC 3241 Writing for the Technical Professional or ENC 3250 Professional Writing

4. Core Requirements: Advanced Level

- None

5. Restricted Electives

- Area of Concentration (Choose one)
- All tracks are not available at all locations.

Criminal Justice Track 18 hrs
Take all of the following: 6 hrs
CCJ 3024 Criminal Justice System and 3 hrs
CCJ 3014 Crime in America 3 hrs

Select 2: 6 hrs
CJL 3510 Prosecution and Adjudication or 3 hrs
CJC 3010 Corrections and Penology or 3 hrs
CJE 4014 Police and Society 3 hrs

Select 2: 6 hrs
Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor
Legal Studies Track 18 hrs
Take all of the following: 6 hrs
PLA 3014 Law and the Legal System and 3 hrs
PLA 3108 Legal Research 3 hrs
Select 4: 12 hrs
PLA 3155 Legal Writing or 3 hrs
PLA 3205 Civil Practice and Procedure or 3 hrs
PLA 3277 The Law of Torts or 3 hrs
PLA 3309 Criminal Procedure or 3 hrs
PLA 4424 The Law of Contracts or 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs

Health Services Administration 18 hrs
Take all of the following: 15 hrs
HSA 3111 U.S. Health Care Systems and 3 hrs
HSC 4201 Community Health and 3 hrs
HSA 4180 Organization & Management for Health Agencies I and 3 hrs
HSA 4191 Fundamentals of Health Information Technology and 3 hrs
HSC 4500 Epidemiology 3 hrs
Select 1: 3 hrs
HSC 4652 Health Law and Ethics or 3 hrs
HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
HSA 4702 Health Sciences Research Methods or 3 hrs
HIM 4508C Quality Management 3 hrs

Information Technology Track 21 hrs
Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I.
Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.
Take all of the following: 21 hrs
CET 3383 Applied Systems Analysis I and 3 hrs
CET 4427 Applied Database I and 3 hrs
ETI 4448 Applied Project Management and 3 hrs
CET 4748 Wide Area Networks I and 3 hrs
CET 4749 Wide Area Networks II and 3 hrs
CET 4863 Computer and Network Security and 3 hrs
CET 4443 Intro to Local Area Network Technology 3 hrs

Software Development Track 21 hrs
Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&A), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.
Take all of the following: 21 hrs
COP 3330 Object Oriented Programming and 3 hrs
CEN 3024 Software Development I and 3 hrs
CEN 4025 Software Development II and 3 hrs
CEN 4910 Software Development Project and 3 hrs
ETI 4448 Applied Project Management and 3 hrs
CEN 4802 Software Integration, Configuration, and Testing and 3 hrs
CEN 4333 Advanced Database Development 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
As required to complete upper level credit hour requirements. Consult with Program Advisor.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
Consult Program Advisor.

Advising Notes
Students may use 3 hours of internship as a part of the upper division requirements.

Transfer Notes
Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
Lower division courses do not substitute for upper division courses.
Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/academiclearningcompacts.html

Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.
Articulated A.S. Programs

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida College System institution.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. **UCF General Education Program (GEP) (36 hrs)**
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations

2. **Common Program Prerequisites (CPP)**
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level (21 hrs)**
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CIL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. **Restricted Electives (27 hrs)**
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**

8. **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.

9. **Graduation**
   - None

10. **Electives**
    - None

11. **Additional Requirements**
    - None

12. **Required Minors**
    - None

13. **Departmental Exit Requirements**
    - Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

14. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 130

**Honors In Major**
- None

**Related Programs**
- Legal Studies Certificates
  - Crime Analysis and Crime Mapping
  - Criminal Profiling
  - Security Management
  - Crime Scene Investigation
  - Victim Advocacy

**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.oelas.ucf.edu/academiclearningcompacts.html

**Hospitality Management - A.S. to B.S. Track (B.S.)**

**Rosen College of Hospitality Management**

**Department of Hospitality Services,**

9907 Universal Boulevard, Orlando, FL 32819

**Email:** hospitality@mail.ucf.edu

Dr. Abraham Pizam, Dean

**Phone:** 407-903-8000

**Admission Requirements**
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

**Degree Requirements**
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. **UCF General Education Program (GEP) (18 hrs)**
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations
Articulated A.S. Programs

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - HFT 1000 Introduction to the Hospitality and Tourism Industry (3 hrs)

3. Core Requirements: Basic Level (3 hrs)
   - MAC 1105C College Algebra (3 hrs)

Select 1:
   - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I (3 hrs)

Select 1:
   - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

4. Core Requirements: Advanced Level (27 hrs)

   Hospitality Management Core (27 hrs)
   - HFT 3431 Hospitality Industry Managerial Accounting (3 hrs)
   - HFT 3540 Guest Services Management I (3 hrs)
   - HFT 4295 Leadership and Strategic Management in Hospitality Industry (3 hrs)
   - HFT 4464 Hospitality Industry Finance (3 hrs)
   - HFT 4941 Internship II (1 hr)
   - HFT 4944 Internship III (1 hr)

Select 3 (9 hrs)
   - HFT 3700 Tourism Management or HFT 3326 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 4755 Theme Park and Attraction Management or HFT 4277 Yacht, Country, and City Club Management

Guest Lecture (1 hr)
   - HFT 3933 Distinguished Lectures in Hospitality Management (1 hr)

1 See Program Advisor for course selection.

5. Restricted Electives (15 hrs)
   - Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.

Restricted Electives (15 hrs)
   - Students must take 15 credit hours (five courses) from the following:
     - FSS 3008 Culture and Cuisine (3 hrs)
     - FSS 4135 Corporate Contract and Managed Services Organizations (3 hrs)
     - FSS 4286C Catering and Banquet Organization (3 hrs)
     - HFT 3353 Golf Planning & Operations I (3 hrs)
     - HFT 3354 Agronomy for Golf Course Management (3 hrs)
     - HFT 3355 Golf Planning & Operations II (3 hrs)
     - HFT 3357 Golf & Club Event Operations (3 hrs)
     - HFT 3384 Golf and Club Enterprises Management (3 hrs)
     - HFT 3654 Hospitality Franchising (3 hrs)
     - HFT 3741 Meeting Management (3 hrs)
     - HFT 3770 Cruise Line Operations and Management (3 hrs)
     - HFT 3798 Fairs and Festivals (3 hrs)
     - HFT 3868 History and Culture of Wine (3 hrs)
     - HFT 4065 Fine Spirits Management (3 hrs)
     - HFT 4253 Advanced Lodging Operations (3 hrs)
     - HFT 4266 Hospitality Brand Management (3 hrs)
     - HFT 4274 Resort Management (3 hrs)
     - HFT 4343 Hospitality Facilities Management (3 hrs)
     - HFT 4358 Golf & Club Facility Design (3 hrs)
     - HFT 4432 Hospitality Industry Auditing (3 hrs)
     - HFT 4446 Hospitality Industry Revenue Management (3 hrs)
     - HFT 4473 Hospitality Development Analysis (3 hrs)
     - HFT 4522 Resort Sales Tactics and Strategies (3 hrs)
     - HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry (3 hrs)
     - HFT 4759 Product Development in Theme Parks and Attractions (3 hrs)
     - HFT 4762 Current Practices in the Airline Industry (3 hrs)
     - HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry (3 hrs)
     - HFT 4758 Operational Issues in the Theme Park and Attraction Industry (3 hrs)
     - HFT 4795 Entertainment Arts and Events (3 hrs)
     - HFT 4796 International Events (3 hrs)
     - HFT 4864 Seminar in Quality Brewing and Fine Beer (3 hrs)
     - HFT 4866C Exploring Wines of the World (3 hrs)
     - HFT 4894 International Gastronomy (3 hrs)
     - HUN 3013 Nutrition Concepts and Issues in the Food Service Industry (3 hrs)

Specialized Tracks (15 hrs)

Theme Park and Attraction Mgmt Track (15 hrs)
   - HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry (3 hrs)
   - HFT 4759 Product Development in Theme Parks and Attractions (3 hrs)
   - HFT 4614 Risk Management in Theme Parks and Attractions (3 hrs)
   - HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry (3 hrs)
   - HFT 4758 Operational Issues in the Theme Park and Attraction Industry (3 hrs)
   - HFT 4795 Entertainment Arts and Events (3 hrs)
   - Golf and Club Management Track (15 hrs)
     - HFT 3353 Golf Planning & Operations I or HFT 3354 Agronomy for Golf Course Management or HFT 3355 Golf Planning & Operations II or HFT 3357 Golf & Club Event Operations or HFT 3384 Golf and Club Enterprises Management or HFT 4358 Golf & Club Facility Design (3 hrs each)

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
   - State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.

   - Final exams will be given during Exam Week only.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

   Total Semester Hours Required
   - 124

   Honors In Major
   - None
<table>
<thead>
<tr>
<th>Related Programs</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td>None</td>
</tr>
<tr>
<td>Advising Notes</td>
<td>Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.</td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>A minimum of 30 semester hours must be completed at UCF within the Hospitality major.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>Acceptable Substitutes for Transfer Courses</td>
<td>HFT 2401 Hospitality Industry Financial Accounting 3 hrs may be substituted with: ACG X011</td>
</tr>
<tr>
<td></td>
<td>HFT 2401 Hospitality Industry Financial Accounting 3 hrs may be substituted with: ACG X001</td>
</tr>
</tbody>
</table>

**Plan of Study**

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Requirement I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>General Education Requirement II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>General Education Requirement III</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>General Education Requirement IV</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>General Education Requirement V</td>
<td>3 hrs</td>
<td></td>
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</tbody>
</table>

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3933</td>
<td>Distinguished Lectures in Hospitality Management</td>
<td>1 hr</td>
</tr>
<tr>
<td>General Education Requirement VI</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4941</td>
<td>Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Hospitality Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Internship III</td>
<td>1 hr</td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Hospitality Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Hospitality Restricted Elective</td>
<td>9 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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**Articulated A.S. Programs**

**Nursing - A.S. to B.S.N. Track (B.S.N.)**

**College of Nursing**

**UTWR, Room: 3rd floor**

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

**Email: ucfnurse@ucf.edu**

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covegli, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

**Admission Requirements**

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.8
  - Completion of a Statewide Articulated AS in Nursing from a Florida College System institution which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida College System or State University System institution should follow section “B” - RN to BSN Program

**Current RN License**

**Degree Requirements**

- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course

- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements

- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution and should usually be completed in the first 60 hours

- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program

**UCF Residency Requirement: 30 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 3165 Nursing Research. Students completing the General Education requirements at a Florida College System institution should complete those courses prior to their last 30 hours at UCF.

**A: Communication Foundations (9 hrs)**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

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

- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

**C: Mathematical Foundations (6 hrs)**

- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

**D: Social Foundations (6 hrs)**

- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs
Articulated A.S. Programs

2. Common Program Prerequisites (CPP) (18 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  1. CHM 1032 General Chemistry GEP
  2. HUN 3011 Human Nutrition 3 hrs
  3. MCB 2004C Microbiology for Health Professionals 4 hrs
  4. PCB 3703C Human Physiology 4 hrs
  5. ZOO 3733C Human Anatomy 4 hrs

Select 1:
- STA 2014C Principles of Statistics or Statistical Methods I GEP
- STA 2023 GEP

Select 1:
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or GEP
- SYG 2000 Introduction to Sociology GEP

1. (or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence of eight total credits
3. Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (56 hrs)

UCF Core
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065L Health Assessment Lab 2 hrs
- NUR 3065L Health Assessment Lab 2 hrs
- NUR 3065L Health Assessment Lab 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- Nursing for RNs 3 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Upper Division Credit 29 hrs
- May be met by validation and RN License
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445L Nursing Care of Families 4 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 4227L Nursing Care of the Adult II Clinical Practice 4 hrs
- NUR 4227L Nursing Care of the Adult II Clinical Practice 4 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives (3 hrs)
- NSP/NUR/NGR XXXX Any one upper division nursing elective 3 hrs

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3165.

Graduation

8. Electives
- variable to meet degree requirements

9. Additional Requirements
- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to NUR 3165 Nursing Research: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 3) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 128

Honors In Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)
- Assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
## Articulated A.S. Programs

### Junior Year - Summer
- **NUR 4837** Health Care Issues, Policy, and Economics  3 hrs
- **NUR 3616** Health Promotion Across the Lifespan  2 hrs

### Senior Year - Fall
- **NUR 4828** Nursing Leadership, Management and Role Transition  3 hrs
- **NUR/NSP XXXX** Nursing Elective  3 hrs

### Senior Year - Spring
- **NUR 4604L** Practicum in Community and Public Health Nursing for RNs  4 hrs
- **NUR 4637** Public and Community Health Nursing  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/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Sub-collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman- and sophomore-level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exceptions to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 84 different public and non-public postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The number “1” is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject-matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:
Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent 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></td>
</tr>
<tr>
<td>English Composition</td>
<td>Lower (Freshman)</td>
<td>Freshman Composition</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
440 Undergraduate Catalog 2015-2016
Common Course Numbering System

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

AAE Applied Academics for Adult Education
ABE Agricultural and Biological Engineering
ABT Arabic Culture in Translation or Translation Skills
ABW Arabic Literature (Writings)
ACG Accounting: General
ACO Accounting: Occupational/Technical Variable Paced
ACR HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades
ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEC Agricultural Education and Communication
AEE Agriculture and Extension Education
AER Automotive Mechanics
AFA African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGE Agricultural Engineering
AGT Agricultural Engineering
AHM Amharic Language
AHT Amharic Culture in Translation or Translation Skills
AHW Amharic Literature (Writings)
AKA Akan Language
AKT Akan Culture in Translation or Translation Skills
AKW Akan Literature (Writings)
ALS Agriculture and Life Sciences
AMH American History
AML American Literature
AMS American Studies
AMT Aviation Maintenance Technology
ANG Anthropology–Graduate
ANS Animal Science
ANT Anthropology
AOM Agricultural Operations Management
APA Applied Accounting
APK Applied Kinesiology
ARA Arabic Language
ARC Architecture
ARD Architectural Design
ARE Art Education
ARH Art History
ARR Autobody Repair and Refinishing
ART Art
ARV Art, Vocational
ASC Aviation Science: General
ASG Animal Science: General
ASH Animal Science
ASL American Sign Language
ASN Asian Studies
AST Astronomy
ATE Animal Science Technology
ATF Aviation Technology: Flight
ATR Athletic Training
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Avionics
AVY Ayurveda Language
BAN Commercial Banking (AIB Courses Only)
BCA Building Construction Apprenticeships
BCC Basic Clinical Clerks (Required)
BCH Biotechnology
BCH Building Construction
BCT Building Construction Trades
BCV Building Construction: Vocational
BME Biomedical Engineering
BMS Basic Medical Sciences
BOT Botany
BRC Banking Related Courses (Not AIB or IFE)
BSC Biological Sciences
BTE Business Teacher Education
BUL Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language Pathology (See SPA)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCE Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDA Computer Design/Architecture
CEG Civil Geotechnical Engineering
CEN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CGN Civil Engineering
CHD Home Economics: Child Development
CHI Chinese
CHM Chemistry
CHR Chiropractic
CHS Chemistry - Specialized
CHT Chinese Culture in Translation or Translation Skills
CHW Chinese Literature (Writings)
CIS Computer Science and Information Systems
CJB College Level Application in Criminal Justice
CJC Corrections
CJD Criminal Justice Development
CJE Law Enforcement
CJJ Juvenile Justice
CKC Criminal Justice Basic Training
CKL Law & Process
CJT Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Skills
CMC Corporate Media Communication
CMM Creek/Muskogee/Mikasuki
CNT Computer Networks
COA Home Economics: Consumer Affairs
COP Cooperative Education
COM Communication
COP Computer Programming
COS Cosmology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies (Multinational)
CPT Cardiopulmonary Technology - See CVT
CRW Creative Writing
CSP Cosmology - Specialized
CST Comparative Studies
CTE Home Economics: Clothing and Textiles
CTS Computer Technology and Skills
CVT Cardiovascular Technology
CWR Civil Water Resources
CYP Community Psychology
CZE Czech Language
CZT Czech Culture in Translation or Translation Skills
CZW Czech Literature (Writings)
DAA Dance, Emphasis On Activity
DAE Dance Education
DAN Dance
DAS Dairy Science
DCP Design, Construction and Planning
DEA Dental Assisting
DEC Marketing and Distributive Education
DEH Dental Hygiene
DEM Demography
DEN Dentistry
DEP Developmental Psychology
DES Dental Support
DIE Dietetics
DIG Digital Media
DIM Diesel, Hybrid, and Alternative Fuel Technology
DIS Domestic Security
DTE Dental Laboratory Technology
DUT Dutch Language
EAB Experimental Analysis Of Behavior
EAP English As A Second Language
EAS Aeropace Engineering
EDB Education: Emotional/Behavioral Disorders
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
ECP Economic Problems & Policy
ECS Economic Systems & Development
ECT Education: Career/Technical
EDW Education: Career/Workforce
EDA Educational Administration
EDE Education: Elementary
EDF Education: Foundations and Policy Studies
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Common Course Numbering System

EDG Education: General
EDH Education: Higher
EDM Education: Middle School
EDP Educational Psychology
EDS Education Supervision
EEC Education: Early Childhood
EED Education: Emotional Disorders - See EBD
EEE Engineering: Electrical and Electronic
EEL Engineering: Electrical/Electronics Repair
EES Environmental Engineering Science
EET Electronic Engineering Technology
EEV Electrical/Electronic: Vocational
EEX Education: Exceptional Child - Core Competencies
EGC Counselor Education
EGI Education: Gifted
EGM Engineering Science
EGN Engineering: General
EGS Engineering: Support
EHD Education: Hard Of Hearing & Deaf
EIA Education: Industrial Arts
EIN Industrial Engineering
ENV Education: Industrial/Vocational
ELD Education: Specific Learning Disabilities
ELR Prefix Discontinued: All Courses Reassigned
EMA Materials Engineering
EMC Engineering: Mechanical & Chemical
EME Education: Technology and Media
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 (College Lvl) Dis. - See EAP
ENT Entrepreneurship
ENU Engineering: Nuclear
ENV Engineering: Environmental
ENY Enzymology
EOC Ocean Engineering
EPP Education: Physical & Multiple Disabilities
EPH Education: Physical & Multiple Handicapped - See EPO
EPI Educator Preparation Institutes
ESC Earth Science
ESC Education: Secondary
ESI Industrial/Systems Engineering
ESL College-Prep English For Non-Native Speakers (Disc. - See TSL)
EST Electronic Specialty Technology
(To Be Disc. 8/1/2012)
ETC Engineering Technology: Civil
ETD Engineering Technology: Drafting
ETE Education: Technology Education
ETG Engineering Technology: General
ETI Engineering Technology: Industrial
ETM Engineering Technology: Mechanical
ETN Electroneurodiagnostics
ETP Engineering Technology: Power
ETE Engineering Technology: Specialty
EUP 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
FFP Fire Fighting & Protection
FIL Film
FIN Finance
FLE Foreign Language Education
FNR Forestry & Natural Resources
FOL Foreign Languages
FOR Forestry
FOS Food Science
FOT Foreign Languages (In Translation)
FOW Foreign Languages, Comparative Literature (Writings)
FRC Fruit Crops
FRE French Language
FRT French Culture in Translation or Translation Skills
FRW French Literature (Writings)
FSE Funeral Services
FSS Food Service Systems
FYC Family, Youth and Community
GCO Golf Course Operations
GEA Geography: Exceptional Child Areas
GBE General Business
GEO Geophysics: Systematic
GET German Culture in Translation or Translation Skills
GEW German Literature (Writings)
GEY Gerontology
GFY Geophysical Fluid Dynamics
GIS Geography: Information Science
GLS Graduate Liberal Studies
GLY Geology
GMS Graduate Medical Sciences
GMF German Culture in Translation or Translation Skills
GMW Modern Greek Literature (Writings)
GRA Graphic Arts
GRE Classical Greek Language
GRG Graphic Arts - Graduate-Level
GRK Modern Greek Language
GRW Classical Greek Literature (Writings)
HAI Haitian Creole Language
HAT Haitian Culture in Translation or Translation Skills
HBR Modern Hebrew Language
HBT Modern Hebrew Culture in Translation or Translation Skills
HED Home Economics/Community
HEE Home Economics Education
HEV Home Economics - Vocational
HFT Hospitality Management
HHH Housing & Home Design
HIM Health Information Management
HIN Hindi Language
HIS General History and Historiography
HIV Hindi Culture in Translation or Translation Skills
HIV Hindi Literature (Writings)
HLP Health/Leisure/Physical Education
HME Home Economics: Home Management and Equipment
HMG Hospitality Management Graduate
HMV Hospitality Management, Vocational
HMW Modern Hebrew Literature (Writings)
HNG Hungarian Language
HNT Hungarian Culture in Translation or Translation Skills
HNU Hungarian Literature (Writings)
HOE Home Economics: General
HOS Horticultural Sciences
HPS History and Philosophy of Science
HRE Human Resources Development (Disc. - See FYC)
IDB Interdisciplinary Bilingual
IDC Interdisciplinary Computing
IDG Industrial Design
IDH Interdisciplinary Honors
IDS Interdisciplinary Studies
IDT Indonesian Culture in Translation or Translation Skills
IDW Indonesian Literature (Writings)
IEA Industrial Education Applied (Disc.)
IFS Interdisciplinary College State University Courses
IHS Interdisciplinary Health Sciences
IND Interior Design
INP Industrial and Applied Psychology
INR International Relations
INS International Studies
IPT Integrated Physical Therapy
ISD Interdisciplinary Science
ISM Information Systems Management
ISS Interdisciplinary Social Sciences
ITA Italian Language
ITT Italian Culture in Translation or Translation Skills
IUF Interdisciplinary University of Florida Courses
JOU Journalism
JPN Japanese
JPT Japanese Culture in Translation or Translation Skills
JPW Japanese Literature (Writings)
JST Social/Political Studies
KDR Korean Language
KOT Korean Culture in Translation or Translation Skills
KOW Korean Literature (Writings)
LAA Landscape Architecture
LAN Language Arts and English Education
LAH Latin American History
LAS Latin American Studies
LAT Latin Culture (Writings)
LAW Law
LBS Labor Studies
LDE Landscape Design
LDR Leadership Studies
LEI Leisure
LGL Lingala Language
LGT Lingala Language
LIT Literature
LNN Latin Language (Writings)
LNS Linguistics
LIS Line and Information Studies
LT Literature
MAA Mathematics - Analysis
MAC Mathematics - Calculus and Precalculus
MAD Mathematics - Discrete
MAE Mathematics - Applied
MAG Mechanized Agriculture (Disc. - See AOM)
MAN Management
MAP Mathematics Applied
MKT Marketing
MAS Mathematics - General
MAT Mathematics
MCM Microbiology
MCC Special Topics in Mass Communication
MDC Medical Clinical Clerks
MDE Medical Electives
MDI Medical Internships
MDR Medical Research
MDS Medical Selectives
MDT Special Topics, Elected Topics
MDU Undergraduate Medicine Courses
MDW Midwifery
MDX Medical Externships
MDY Medical Externships
MEC Medical Assistant Technology
MEL Medical Science Electives
MEM Medical and Early Modern Studies
MET Meteorology
MFG Mathematics - General and Finite
MHS Mathematics - History and Foundations
MDS Mental Health Services
MIS Military Science
MKT Marketing Applications

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Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

<table>
<thead>
<tr>
<th>Special Course</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906</td>
<td>5907</td>
</tr>
<tr>
<td>Directed Independent Research</td>
<td>4912</td>
<td>5917</td>
</tr>
<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3913, 4914</td>
<td>5937</td>
</tr>
<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932, 5944</td>
<td></td>
</tr>
<tr>
<td>Internship, Practicums, Clinical Prac</td>
<td>3940, 4941</td>
<td>5944</td>
</tr>
<tr>
<td>Cooperative Education</td>
<td>1949, 2949, 3949, 4949</td>
<td>5949</td>
</tr>
<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
<td></td>
</tr>
<tr>
<td>Honors Directed Reading</td>
<td>4903H</td>
<td></td>
</tr>
<tr>
<td>Honors Directed Reading*</td>
<td>4904H</td>
<td></td>
</tr>
<tr>
<td>Study Abroad</td>
<td>4955</td>
<td>5957</td>
</tr>
</tbody>
</table>

These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example: ART 2500C CAH-SVAD 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.
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)
Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a “C” (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity, accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a “C” (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

ACG 2071 BA-ACCT 3(3,0)
Intermediate Financial Accounting: PR: ACG 2021 and MAC 1105C, each with a “C” (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Intermediate Financial Accounting I: PR: Junior standing, Accounting major or minor, and ACG 2021 and ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3173 BA-ACCT 3(3,0)
Accounting for Decision-Makers: PR: ACG 2021 and ACG 2071, each with a grade of “C” (2.0) or better. Explores the use of financial statements and managerial accounting in support of business decisions. The tax environment on businesses is also explored. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of “C” (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a “C” (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284 BA-ACCT 3(3,0)
Financial Reporting for Consolidated Entities: PR: ACG 3141 with a “C” (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2103C, each with a grade of “C” (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4551 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of “C” (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361, with a “C” (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and “C” (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ADE 4382 ED-CFCS 3(3,0)
Teaching Adult Learners in Technical Programs: PR: ECT 3365 or C.I. Principles and processes of researching and teaching of adult learners in formal & informal technical settings. Fall.

ADV 3008 COS-COMM 3(3,0)
Principles of Advertising: PR: SPC 1608, or SPC 1603C, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: As-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0)
Radio-Television Advertising: PR: R-TV or Ad-PR Majors or Mass Comm. minors only and ADV 3008 or C.I. 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 3008 and Ad-PR major. Media planning and buying, including basic media terms, calculations, and resources. Fall.

AFA 2300 CAH-AS 3(3,0)

AFA 3006 CAH-AS 3(3,0)
The African Diaspora: Theories and Movements: PR: ENC 1102. Provides a broad understanding of the African, cultural, and political experiences that define the African Diaspora. Fall.

AFA 3102 CAH-AS 3(3,0)
Introduction to Africana Studies: A Historical Approach: PR: ENC 1102. Key issues and methodologies in Africana Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AS 3(3,0)
The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.

AFA 3244 CAH-AS 3(3,0)
Africana Social & Cultural Movements: PR: ENC 1102. Analytical look at the role cultural arts played in the emancipation and civil rights efforts that followed the trans-Atlantic slave trade. Occasional.

AFA 3371 CAH-AS 3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3371H CAH-AS 3(3,0)

AFA 3420 CAH-AS 3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the sociopolitical thought of Malcolm X and its impact on Africana political struggles. Fall.

AFA 3585 CAH-AS 3(3,0)

AFA 3955 CAH-AS 6(6,0)
Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diaspora cultures in the Eastern Caribbean. Occasional.

AFA 4105 CAH-AS 3(3,0)
Documenting Africana Heritage and Life: PR: ENC 1102 or C.I. Principles and research in the process of documenting Africana heritage and life. Occasional.

AFA 4242 CAH-AS 3(3,0)

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0)
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3402</td>
<td>History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery. Calhoun's constitutional theories, secession, Civil War and its aftermath. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the &quot;solid South&quot; and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The development of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3442</td>
<td>History of the Frontier: Western America: PR: AMH 2010 and AMH 2020 or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3541</td>
<td>U.S. Military History To 1900: PR: AMH 2010 and AMH 2020, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3547</td>
<td>U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U.S. military history since 1900 emphasizing civilian-military relations, warfare, and military developments. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3558</td>
<td>History of American Law: PR: AMH 2010 and AMH 2020, or C.I. The modern State and the rule of law as a historic process in America. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3661</td>
<td>Women in American History: PR: AMH 2010 and AMH 2020, or C.I. Experiences in America from the 17th century to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3662</td>
<td>Women in American History II: PR: AMH 2010, AMH 2020 or C.I. Examinations in industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3571</td>
<td>Black American History: PR: AMH 2010, AMH 2020 or C.I. A history of Black America from the Transatlantic Slave Trade to the 21st Century and the continuing struggle for equality in America. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3572</td>
<td>Black American History II: PR: AMH 2010, AMH 2020 or C.I. A history of Black America in the Twentieth Century and the continuing struggle for equality in America. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3580</td>
<td>North American Indians: PR: AMH 2010 and AMH 2020. History of North American Indians and their relations with the United States from the 18th century to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3586</td>
<td>History of the Hispanic Minorities in the U.S.: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Age of Reason; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3610</td>
<td>Sport in America to 1945: PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport to 1945. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3611</td>
<td>Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 3800</td>
<td>Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4100</td>
<td>Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4112</td>
<td>The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4130</td>
<td>The Age of the American Revolution, 1763-1789: PR: AMH 2010 and AMH 2020, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4140</td>
<td>Trans-Occasional America: PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4160</td>
<td>Jacksonian America: PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism. Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4170</td>
<td>Civil War and Reconstruction: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4201</td>
<td>The Gilded Age and Progressivism: PR: AMH 2010 and AMH 2020, or C.I. The Rise of Industrialized and Urbanized America, the Emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4231</td>
<td>United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4270</td>
<td>United States History: 1939-1960: PR: AMH 2010 and AMH 2020, or C.I. World War II, the Cold War and America in the fifties. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4273</td>
<td>U.S. History Since 1960: PR: AMH 2010 and AMH 2020, or C.I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AMH 4311</td>
<td>American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Age of Reason; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.</td>
<td>3(3,0)</td>
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</tbody>
</table>
UCF Courses and Descriptions

ANG 5167 COS-ANTHRO 3(3,0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains: basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Admission to Anthropology MA, Maya Studies graduate certificate, 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 graduate certificate, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5486 COS-ANTHRO 3(3,0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANG 5525C COS-ANTHRO 4(3,1) Human Osteology: PR: Admission to the Anthropology MA program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeleton remains. Fall.

ANG 5531 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cognate cultural issues that affect cultural competency. Occasional.

ANG 5738 COS-ANTHRO 3(3,0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANG 5742 COS-ANTHRO 3(3,0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANG 5822 COS-ANTHRO 3(3,0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

ANT 2004H COS-ANTHRO 3(3,0) General Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of the evolution and diversity of human societies and cultures. A survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.


ANT 2140 COS-ANTHRO 3(3,0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0) Cultural Anthropology: Global Perspectives, Local Contexts: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(0,1) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Fall.

ANT 2511L COS-ANTHRO 1(0,1) Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANT 3026 COS-ANTHRO 3(3,0) Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0) Archaeological Method and Theory: PR: ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Fall.

ANT 3142 COS-ANTHRO 3(3,0) Old World Prehistory: PR: Sophomore Standing. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Fall.

ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANT 3148 COS-ANTHRO 3(3,0) Life and Death in Ancient Egypt: PR: Sophomore standing. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Spring.

ANT 3152 COS-ANTHRO 3(3,0) Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. The precolonial history of the Native peoples of the U.S. Southwest, from the region's first colonists to Puebloan and Navajo groups of the Contact era. Even Fall.

ANT 3154 COS-ANTHRO 3(3,0) A Survey of American Historical Archaeology: PR: Sophomore Standing or C.I. Examines historical archaeology of the United States from the arrival of Europeans through the early 20th century to understand America's history using archaeological principles. Even Fall.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: Sophomore standing. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Spring.

ANT 3160 COS-ANTHRO 3(3,0) Americas Before Columbus: PR: Sophomore standing. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANT 3164 COS-ANTHRO 3(3,0) Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Spring.

ANT 3165 COS-ANTHRO 3(3,0) Archaeology of South America: PR: ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0) Maya Archaeology: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0) Archaeology of Sex: PR: Sophomore standing. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Spring.

ANT 3174 COS-ANTHRO 3(3,0) Battlefield Archaeology: PR: Sophomore Standing or C.I. Provide students an archaeological perspective of fields of combat and military infrastructure from the Classic period to the early 20th century. Odd Fall.


ANT 3179 COS-ANTHRO 3(3,0) Australian Archaeology and Indigenous Cultures: PR: Sophomore standing or C.I. Explore indigenous peoples, both past and present, through historical and maritime archaeology, as a means of unraveling the full breadth of Australia’s rich indigenous cultures. Odd Fall.


ANT 3241 COS-ANTHRO 3(3,0) Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0) Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.


ANT 3273 COS-ANTHRO 3(3,0) Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.
### UCF Courses and Descriptions

**ARA 1120C** CAH-LANG 4(3,1)  
Elementary Arabic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

**ARA 1121C** CAH-LANG 4(3,1)  
Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

**ARA 1121C** CAH-LANG 4(4,1)  

**ARA 2200** CAH-LANG 3(3,1)  
Intermediate Arabic Language and Civilization: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

**ARA 2201** CAH-LANG 3(3,0)  
Intermediate Arabic II: PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

**ARC 3181** CAH-SVAD 3(3,0)  
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of course-related design programs currently utilized by professional practices. Odd Spring.

**ARC 3270** CAH-SVAD 3(3,0)  
Professional Practice in Architecture: PR: ARC 3320L or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. Occasional.

**ARC 3310C** CAH-SVAD 3(3,1)  

**ARC 3320L** CAH-SVAD 6(0,9)  
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

**ARC 3321L** CAH-SVAD 6(0,9)  

**ARC 3463** CAH-SVAD 3(3,0)  
Materials and Methods of Construction 2: CR: ARC 4322L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

**ARC 3503** CAH-SVAD 3(3,0)  
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstanding gravity and lateral forces. Consider structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

**ARC 3610** CAH-SVAD 3(3,0)  
Environmental Technology 1: CR: ARC 3321L. Principles and practices relating to control of the thermal, atmospheric environment and planning in buildings. Odd Spring.

**ARC 3743** CAH-SVAD 3(3,0)  
Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1950, including architect’s role in civil society and theoretical positions of architects and architectural schools. Even Fall.

**ARC 4220** CAH-SVAD 3(3,0)  
Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

**ARC 4322L** CAH-SVAD 6(0,9)  
Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

**ARC 4323L** CAH-SVAD 6(0,9)  
Architectural Design 8: PR: ARC 4322L. Architecture design, focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

**ARC 4620** CAH-SVAD 3(3,0)  

**ARE 2000** ED-TL&L 3(3,0)  
Early Childhood Art and Creativity: An examination of developmental patterns in children’s arts behaviors and appropriate instructional strategies to be implemented. Odd Fall. M&S fee $5.00

**ARE 3895** CAH-SVAD 3(0,12)  
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

**ARE 3944** CAH-SVAD 3(2,3)  
Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

**ARE 4250** ED-TL&L 3(3,0)  
Art for Exceptionalities: PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

**ARE 4260** CAH-SVAD 3(3,0)  
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

**ARE 4351** ED-TL&L 3(1,4)  
Teaching Art in the Elementary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

**ARE 4352** ED-TL&L 3(2,1)  
Teaching Art in the Secondary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

**ARE 4356** ED-TL&L 3(3,1)  
Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $8.00

**ARE 4453** ED-TL&L 3(3,0)  
Studio Experiences in Art Education: PR: Admission into the College of Education, Art Education Program required or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. Spring. M&S fee $5.00

**ARE 5251** ED-TL&L 3(2,1)  
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

**ARE 5255** ED-TL&L 3(2,1)  
Arts in Recreation: PR: Permission of C.I. Materials appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

**ARE 5259** ED-TL&L 4(4,0)  
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

**ARE 5454** ED-TL&L 3(3,0)  
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $10.00

**ARE 5648** ED-TL&L 3(3,0)  
Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Odd Spring.

**ARH 2050** CAH-SVAD 3(3,0)  
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Fall.

**ARH 2050H** CAH-SVAD 3(3,0)  
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

**ARH 2051** CAH-SVAD 3(3,0)  
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 17th century. Spring.

**ARH 2051H** CAH-SVAD 3(3,0)  
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

**ARH 2500** CAH-SVAD 3(3,0)  
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

**ARH 3471** CAH-SVAD 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 3610** CAH-SVAD 3(3,0)  
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

**ARH 3631** CAH-AS 3(3,0)  

**ARH 3632H** CAH-SVAD 3(3,0)  

**ARH 3670** CAH-SVAD 3(3,0)  
Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.
ART 3618 CAH-SVAD 3(3,0) Post-Production Design: PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and composting for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

ART 3643C CAH-SVAD 3(2,4) Digital Effects & Compositing: PR: DIG 395I and consent of Honors. Aesthetic and compositional specialization, or ART 3950 and DIG 4780C and declared Experimental Animation specialization. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall.


ART 3737C CAH-SVAD 3(2,4) Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3761C CAH-SVAD 3(2,4) Intermediate Ceramics: PR: ART 2201C, ART 2203C, ART 2300C and 2301C. Continuation of ceramic processes. Fall, Spring. M&S fee $35.00


ART 4177C CAH-SVAD 3(2,4) Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional.


ART 4230C CAH-SVAD 3(2,4) Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and 3332C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-SVAD 3(2,4) Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 4505C CAH-SVAD 3(2,4) Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee $15.00


ART 4710C CAH-SVAD 3(2,4) Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. The challenge of communicating concepts through three-dimensional forms. May be repeated for credit. Fall, Spring. M&S fee $45.00


ART 4783C CAH-SVAD 3(2,4) Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring. M&S fee $35.00

ART 4786C CAH-SVAD 3(2,4) Ceramic Raw Material: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3716C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. Occasional. M&S fee $35.00

ART 4935 CAH-SVAD 3(3,0) BFA Exhibit/Summer: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee $15.00

ART 4945L CAH-SVAD 6(0,6) Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary curriculum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

ART 4954 CAH-SVAD 3(3,0) Scotland Study Abroad: PR: ART 2823, ART 2301C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.


ART 5280 CAH-SVAD 3(3,0) Serial Content: PR: Admission to Emerging Media MFA or Digital Media M.A., graduate standing, or C.I. Serial content, story forms, interactive narrative theory and practice for art, digital media and film. Traditional and non-traditional forms of visual and interactive storytelling. Fall. M&S fee $45.00

ART 5284 CAH-SVAD 3(3,0) Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee $45.00


ART 5694 CAH-SVAD 3(3,0) Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

ART 5695 CAH-SVAD 3(3,0) WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

ART 5696 CAH-SVAD 3(3,0) Art, Design and Human Interactions: PR: Admission to Emerging Media MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.

ART 5698 CAH-SVAD 3(3,0) Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital production of studio works. Fall. M&S fee $45.00

ART 5811C CAH-SVAD 3(3,1) The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, bookkeeping, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(3,0) Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically in a small group to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5941 CAH-SVAD 1(1,0) Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via web art practicum. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0) Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.
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<tr>
<th>Course Code</th>
<th>College</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tr>
<td>ASH 3223</td>
<td>CAH-HIST</td>
<td>The Modern Middle East: PR: Junior standing or C.I. History of the Middle East from the 18th century to the present. Occasional.</td>
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<td>ASH 4233</td>
<td>CAH-HIST</td>
<td>Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.</td>
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<td>ASH 4243</td>
<td>CAH-HIST</td>
<td>History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq through a set of integrated monographic studies that focus on the political and legal components of the Iraqi state. Occasional.</td>
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<td>ASH 4324</td>
<td>CAH-HIST</td>
<td>History &amp; Culture of South Asia: PR: WOH 2022 or C.I. History and culture of South Asia from prehistory to the decline of the British Raj. Occasional.</td>
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<td>ASH 4363</td>
<td>CAH-HIST</td>
<td>Imperialism &amp; Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. Occasional.</td>
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<td>ASH 4404</td>
<td>CAH-HIST</td>
<td>Modern China: PR: EUH 2000 and EUH 2001 or C.I. Political, social, economic, and cultural transformations undergone by China from about the 17th century to the present. Occasional.</td>
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<td>ASH 4442</td>
<td>CAH-HIST</td>
<td>Modern Japan: PR: EUH 2000 and EUH 2001 or C.I. History of Japan from the end of the Tokugawa period to the present day. Occasional.</td>
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<td>ASH 4550</td>
<td>CAH-HIST</td>
<td>History of Modern India: PR: WOH 2022 or C.I. History of India from decline of Mughals in late 18th century to present. Occasional.</td>
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<td>ASH 5229</td>
<td>CAH-HIST</td>
<td>History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
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<tr>
<td>ASH 5408</td>
<td>CAH-HIST</td>
<td>Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.</td>
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<tr>
<td>ASH 5485</td>
<td>CAH-HIST</td>
<td>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.</td>
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<td>ASH 5925</td>
<td>CAH-HIST</td>
<td>Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.</td>
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<td>ASL 2140</td>
<td>HPA-COM</td>
<td>Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.</td>
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<tr>
<td>ASL 2150</td>
<td>HPA-COM</td>
<td>Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.</td>
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<tr>
<td>ASL 2510</td>
<td>HPA-COM</td>
<td>Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.</td>
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<td>AST 2002</td>
<td>COS-PHYS</td>
<td>Astronomy: PR: High school algebra or MAC 1105C. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.</td>
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<td>AST 2037</td>
<td>COS-PHYS</td>
<td>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.</td>
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<td>AST 3402</td>
<td>COS-PHYS</td>
<td>Galaxies and Cosmology: PR: AST 2002 and PHY 2043C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.</td>
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<td>AST 4762C</td>
<td>COS-PHYS</td>
<td>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. Physical data formats and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.</td>
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<td>AST 5145</td>
<td>COS-PHYS</td>
<td>Advanced Asteroids, Comets, and Meteorites: PR: Graduate standing or C.I. An advanced study of physical, chemical, mineralogical and orbital characteristics of Asteroids, Comets and Meteorites, with an emphasis on the origin of our solar system. Odd Spring.</td>
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<td>AST 5154</td>
<td>COS-PHYS</td>
<td>Advanced Planetary Geophysics: PR: Admission to Physics MS or PhD or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.</td>
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<td>AST 5165</td>
<td>COS-PHYS</td>
<td>Planetary Atmospheres: PR: PHY 3220 and PHY 2053C or graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Even Spring.</td>
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<td>AST 5263</td>
<td>COS-PHYS</td>
<td>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.</td>
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<td>AST 5334</td>
<td>COS-PHYS</td>
<td>Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics MS or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.</td>
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<td>AST 5765C</td>
<td>COS-PHYS</td>
<td>Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.</td>
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<td>ATR 3012C</td>
<td>HPA-HP</td>
<td>Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&amp;S fee $31.00</td>
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<td>ATR 3013C</td>
<td>HPA-HP</td>
<td>Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Spring. M&amp;S fee $31.00</td>
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BSC 3402C COS-BIOL 4(1,3)
Integrative Biology: PR: BSC 2010C and BSC 2010L. Examines both of a "C" or better in BSC 2010C or C.I. A field-based course gathering information on natural history of various organisms in Florida, with special emphasis on scientific methods. Occasional.

BSC 3403C COM-BSBS 4(3,4)
Honors Quantitative Biological Methods: PR: Consent of Honors. BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3403C COM-BSBS 4(3,4)

BSC 3424 COM-BSBS 3(0,3)
Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3843L COS-BIOL 3(2,2)
Strategy for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career counseling. Grading will be used in the degree program a maximum of 2 times. Occasional.

BSC 3949 COS-BIOL 0(0,8)

BSC 4312C COS-BIOL 4(3,3)
Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00.

BSC 4330 COS-BIOL 3(3,0)
Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-4(0,3-12)
Biological Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond scope of biological laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-BSBS 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3552 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-BSBS 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3552 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4821 COS-BIOL 4(4,0)
Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4083, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3)
SL Sustainability:Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3060. Biology major with 30 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. Fall. Spring.

BSC 5258L COS-BIOL 3(0,3)
Tropical Biological Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0)
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9)
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those technical, organizational, and experimental skills necessary about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee $15.00.

BSC 5418 COM-BSBS 3(3,0)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biophysical interactions. Occasional.

BSC 5436 COM-BSBS 3(3,0)
Biomedical Informatics : Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5518 COS-BIOL 4(4,0)
Phylogenetic Approaches in Biological Research: PR: Consent to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic tools to address important questions in biology. Even Fall.

BSC 5524 COS-BIOL 3(4,0)
Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee $15.00.

BTE 4410 ED-CFC 3(3,0)
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 3(3,0)
Legal and Ethical Environment of Business: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 3(3,0)
Honors Legal & Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0)
Employment Law: PR: Management major or minor, MCB 3225 and MCB 3301. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. Fall.

BUL 5332 BA-ACCT 3(3,0)
Advanced Business Law Topics: PR: Admission to the M.S. in Management or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the impact of business ethics in the decision-making process. Occasional.

CAP 4053 ECS-EECS 3(3,0)
AI for Game Programming: PR: COP 3502C with a grade of "C" (2.0) or better and C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-EECS 3(3,0)
Image and Text Technology Integration: PR: COP 3330 and COP 3502C each with a grade of "C" (2.0) or better. Perceptual, cognitive, affective, social, organizational, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-EECS 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312 each with a grade of "C" (2.0) or better and C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-EECS 3(3,0)
Artificial Intelligence: PR: COP 3503C with a grade of "C" (2.0) or better and COT 3980. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

CAP 4720 ECS-EECS 3(3,0)
Computer Graphics: PR: COP 3503C and MAC 1140C each with a grade of "C" (2.0) or better and COT 3980. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-EECS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology; Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-EECS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-EECS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for; determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-EECS 3(3,0)
Human-Computer Interface Design: PR: COP 4531C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3090. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems of biological applications, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

Evolutionary Computation: PR: CAP 4630 or C.E. 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphic systems. Spring.

Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, ENV 3101 all with a grade of 'C' (2.0) or better; CR: CWR 3201. Project delivery, construction contracts, estimating and scheduling, ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

Construction Methods: PR: CES 4100C with a grade of 'C' (2.0) or better; PR:.GUI 3301. Project delivery, project estimating and bidding and the preparation of construction schedules, followed by an in-depth coverage of time and cost control, and risk management. Fall.

Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of 'C' (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

Construction Design Project: PR: CCE 4335. Construction project estimating and bidding, and department consent; PR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2489, CWR 3201 all with grades of 'C' (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.


Decision Support for Infrastructure Projects: PR: CCE 4004 and CEE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. Fall, Spring.

Sustainable Infrastructure Systems: PR: STA 3022. Introduce the principles of sustainability as they relate to the built environment and infrastructure systems; sustainability metrics; life cycle assessment; resilience; green building principles. Spring.


The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Comprehensive leadership; its nature, methods, and traits. Recent theories and research in leadership. Occasional.

Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relationship of specific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

Labor Relations in Criminal Justice: PR: CCJ 3024 and CCE 4003. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

Victims and the Criminal System: PR: CCJ 3024 or Declared Victim Advocacy Certificate or C.I. The criminal justice system focuses on the problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

Crime and the Media: PR: CCJ 3024 or C.I. Explore the dimensions of criminal justice, crimes, and crime portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

Criminal Justice Ethics: PR: Junior Standing. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.

Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

Interviews & Interrogations in CJ: PR: CCJ 3024 or (Criminal Profiling or Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal behavior, and the rules of testimonial evidence. Fall, Spring.

Crime, Crimes & Trafficking: PR: CCJ 3014 & CCJ 3024 or consent of instructor. A detailed examination of selected American crimes and trials since 1900. Occasional.

Death Penalty: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history, and activities, and of issues surrounding efforts to define and control it. Occasional.


Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and combat illicit drug use. Fall, Spring.

Women and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. In-depth analysis of human rights movement and its potential impact upon criminal law, as well as the juvenile and criminal justice system. Occasional.

Domestic Violence and the Justice System: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. Students will examine the principles of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response. Occasional.

Sex Offenders and the Criminal Justice System: PR: (Junior standing and CCJ 3024 and CJ majors) or (Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.


Research Methods in Criminal Justice: PR: CCJ 3014 and CCJ 3024, or C.I. Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

Data Analysis for Criminal Justice: PR: CCJ 3010 and a grade of "C" or better in MAC 1105 or MGF 1106 or higher-level math class, or AA Degree, or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.
CCJ 4934 HPA-CJ 1-3(1-3,0) Emergent Criminal Justice Issues: PR: Sophomore standing and ENC 1102. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

CCJ 5015 HPA-CJ 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.J. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

CCJ 5456 HPA-CJ 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.J. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5931 HPA-CJ 3(3,0) Contingency Of Criminal Justice Strategies: PR: Graduate standing or C.J. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 1(1,0) Advanced Criminal Justice Investigative Process: PR: Graduate standing or C.J. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CDA 5103C ECS-EECS 3(3,1) Computer Logic for Organization: PR: COP 3223C with a grade of "C" (2.0) or better; CR: COT 3100C or MSH 3302 or MAD 2104. Logic design, computer arithmetic, instruction set architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 5106 ECS-EECS 3(3,0) Advanced Computer Architecture: PR: EEL 4786C. Modern processor design, instruction-level parallelism, read-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-EECS 3(3,0) Parallel Architecture and Algorithm: PR: COT 4210, CDA 5106. General purpose vs. special-purpose parallel computers; arrays, message-passing, shared memory; taxonomic parallelization techniques, communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CEG 4011C ECS-CECE 4(3,2) Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring. M&S fee $11.00

CEG 4012 ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 4011C with a grade of "C" (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. Fall, Spring.

CEG 4801C ECS-CECE 3(3,2) Geotechnical Engineering Design: PR: CEG 4011C with a grade of "C" (2.0) or better and dependent consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00

CEG 5405 ECS-CECE 3(3,0) Seepage in Soils: PR: CEG 4011C. Principles of flow through soils; flow nets; analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CEG 5700 ECS-CECE 3(3,0) Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical solutions to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 3024 ECS-ECEN 3(3,0) Software Engineering I: PR: COP 3330 or C.I. Software development concepts are introduced in the context of hands-on project implementation. SDL, version control, design with UML, documentation, testing, UML, and architecture. Spring.

CEN 4025 ECS-ECEN 3(3,0) Software Development II: PR: CEN 3024 or C.I. A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.

CEN 4333 ECS-ECEN 3(3,0) Advanced Database Development: PR: COP 3330 or C.I. Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. Spring.

CEN 4350 ECS-ECEN 3(3,0) Open Source Web Technologies: PR: COP 3330 or C.I. Web application development using currently popular open-source/open-standard tools. User-interface, the business layer, database, and deploying to the web server. Spring.

CEN 4360 ECS-ECEN 3(3,0) Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practice of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.


CEN 4802 ECS-ECEN 3(3,0) Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Fall.

CEN 4910 ECS-ECEN 3(3,0) Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. Spring.

CEN 5016 ECS-ECEN 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


CEN 5326 ECS-ECEN 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.

CEN 5410C ECS-ECEN 4(3,3) Structural Analysis I and Lab: PR: EGN 3331 or COP 3330 and C.I. An introduction to basic principles of structural mechanics, analysis of determine 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

CEN 5606 ECS-ECEN 3(3,0) Reinforced Concrete Structures: PR: CEN 4100C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LSFD building code; tension and compression members, beams, beam-columns, connections. Fall, Spring.

CEN 5706 ECS-ECEN 3(3,0) Advanced Reinforced Concrete: PR: CEN 5606 and CEN 4100C or C.I. Reinforced concrete fundamentals; design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CET 3383 ECS-ECS 3(3,0) Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 4427 ECS-ECS 3(3,0) Applied Database I: PR: Approved programming course or C.I. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. Fall.
UCF Courses and Descriptions

CET 4483 ECS-ECS  3(3,0)
Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Spring.

CET 4505 ECS-ECS  3(3,0)
Applied Operating Systems I: PR: CET 4483 or C.I. A study of the operating systems which support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4663 ECS-ECS  3(3,0)

CET 4748 ECS-ECS  3(3,0)
Wide Area Networks I: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. Fall.

CET 4749 ECS-ECS  3(3,0)
Wide Area Networks II: PR: CET 4748 or traffic engineering. Access network design. Multi-access network designs. Multilocal-access and mesh network design. Spring.

CGN 3501C ECS-CCE  3(2,3)
Civil Engineering Materials: PR: A grade of "C" (2.0) or better in EGN 3311 and in CHE 1440 or CHM 2045C or CHM 2041. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Occasional. M&S fee $33.00

CGN 4000C ECS-CCE  4(3,2)
Civil Engineering Measurements: PR: MAC 2312 and PHY 2400C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. Spring. M&S fee $30.00

CGN 4808C ECS-CCE  3(2,2)
CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGN 5506C ECS-CCE  3(2,2)

CGN 5877 ECS-CCE  3(3,0)
Monitoring for Infrastructure Systems: PR: One of the following: CES 4100C, ENV 4120, ENV 4561, CWR 4200C, CWR 4101C or CCE 4004. Applications of modern instrumentation and data processing technologies to infrastructure monitoring and assessment. Topics in current and state-of-the-art monitoring techniques, SHM for infrastructure systems, and case studies based on performance-based evaluation. Odd Spring.

CGS 2545C ECS-EECS  3(2,1)
Database Concepts: PR: COP 2500C or high level programming course (C, Java, C++, with a grade of "C" (2.0) or better. Entity-relation model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

CGS 2555C ECS-EECS  3(2,1)
Desktop/Internet Publishing: PR: COP 2500C or high level programming course (C, Java, C++, with a grade of "C" (2.0) or better. HTML coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 3269 ECS-EECS  3(3,0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C++, with a grade of "C" (2.0) or better. CPU organization, current computer architectures, network file servers. Fall, Spring.

CGS 3763 ECS-EECS  3(3,0)
Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C++, with a grade of "C" (2.0) or better. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. Occasional.

CGS 4144 ECS-EECS  3(3,0)

CGS 5131 ECS-EECS  3(3,0)
Computer Forensics I: Seizure and Examination of Computer Systems: PR: Computer literacy and C.I. Legal issues regarding seizure and chain of custody. Technical issues in acquiring computer evidence. Popular file systems are examined. Reporting issues in the legal system. Fall. M&S fee $50.00

CHI 1120C CAH-LANG  4(3,1)
Elementary Chinese Language and Civilization: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2045C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. M&S fee $0.00

CHI 1120H CAH-LANG  4(4,0)
Honors Elementary Chinese Language and Civilization: PR: A passing score in the Chemistry Placement Exam. Not open to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. M&S fee $45.00

CHI 2112H CAH-LANG  4(4,0)
Honors Elementary Chinese Language and Civilization: PR: CHI 1120C or equivalent or C.I. Elementary Chinese language skills at the intermediate level. Fall, Spring.

CHI 2200 CAH-LANG  3(3,0)
Intermediate Chinese I: PR: CHI 2112C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG  3(3,0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM  3(3,0)
Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM  3(3,0)
General Chemistry: PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM  1(0,3)
General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $54.00

CHM 2040 COS-CHEM  3(3,0)
Chemistry Fundamentals I: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reaction, stoichiometry, reactions in aqueous solutions, thermodynamics. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $50.00

CHM 2041 COS-CHEM  3(3,0)
Chemistry Fundamentals II: PR: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring.

CHM 2045C COS-CHEM  4(3,1)
Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. M&S fee $0.00

CHM 2045C COS-CHEM  4(3,1)
Honors Chemistry Fundamentals II: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reaction, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structures, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $0.00

CHM 2046 COS-CHEM  3(3,0)
Chemistry Fundamentals II: PR: "C" (2.0) grade or better in CHM 2045C or CHM 2041. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Intermolecular forces, solutions and colligative properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046C COS-CHEM  4(3,3)
Honors Chemistry Fundamentals II: PR: "C" (2.0) or better in CHM 2045C and permission of Honors. Same as CHM 2046C and CHM 2046L with honors-level content. Spring. M&S fee $45.00

CHM 2046C COS-CHEM  4(3,3)
Honors Chemistry Fundamentals II: PR: A "C" (2.0) or better in CHM 2045C and permission of Honors. Same as CHM 2046C and CHM 2046L with honors-level content. Spring. M&S fee $45.00

CHM 2046C COS-CHEM  4(3,3)
Honors Chemistry Fundamentals II: PR: CR: CHM 2046. Priority will be given to students whose major requires this course. An introduction to chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

CHM 2205 COS-CHEM  5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemical functionality of groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.
CHM 2210 COS-CHEM 3(3.0)
Organic Chemistry I: PR: A’ C (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry. Structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211L COS-CHEM 2(0.6)
Organic 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 $70.00

CHM 3120 COS-CHEM 3(3.0)
Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 1(0.3)
Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, volumetric, and spectrophotometric methods. Analysis including statistical treatment of experimental data. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3215L COS-CHEM 2(0.6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Opened laboratory to develop synthesis techniques and structure elucidation skills. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3410 COS-CHEM 4(3.1)
Physical Chemistry I: PR: CHM 2046, PHY 2048C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411 COS-CHEM 3(3.0)

CHM 3411L COS-CHEM 2(0.6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3141. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00

CHM 3422 COS-CHEM 3(3.0)
Applied Physical Chemistry: PR: PHY 2048C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 COS-CHEM 3(3.0)
Advanced Analytical Laboratory Technique: PR: CHM 2211. CHM 3120 (with a minimum grade of “C” or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0.6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

CHM 4220 COS-CHEM 3(3.0)
Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 4610 COS-CHEM 3(3.0)
Inorganic Chemistry Laboratory: PR: CHM 3411. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee $70.00

CHM 4914C COS-CHEM 1(1.1)
Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4930 COS-CHEM 1(1.0)
Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall, Spring.

CHM 4931 COS-CHEM 1(1.0)
Chemistry Seminar II: PR: CHM 4930. Stuentship improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.

CHM 5225 COS-CHEM 3(3.0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3.0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasionally.

CHM 5311 COS-CHEM 3(3.0)
Advanced Biological Chemistry: PR: CHM 3120 and CHM 2211, graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasionally.

CHM 5450 COS-CHEM 3(3.0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1.5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $45.00

CHM 5580 COS-CHEM 3(3.0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasionally.

CHM 5715C COS-CHEM 3(2.3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasionally.

CHS 1440 COS-CHEM 4(3.1)
Chemistry of Forensic Science: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving, including atomic structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3.0)
Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2.6)
Forensic Microscopy: PR: C’ grade or better in CHM 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $69.00

CHS 3511C COS-CHEM 4(2.6)
Trace Evidence: PR: C’ grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 2(3.2)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bomb crime scene. May be repeated for credit. Occasionally.

CHS 3530C COS-CHEM 4(3.3)
Forensic Analysis of Controlled Substances: PR: ‘C’ grade or better in CHM 2211, PR: or CR: CHS 3505C & CHM 3210, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $68.00

CHS 3533 COS-CHEM 2(2.0)
Forensic Biochemistry I: PR: ‘C’ or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0.3)
Forensic Biochemistry I Laboratory: PR: ‘C’ (2.0) grade or better in BSC 2101C, PCB 3063, PCB 3233L, PCB 3233, PCB 3232L and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1.3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. a lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasionally.

CHS 3595 COS-CHEM 3(3.0)
Forensics Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0.8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasionally.

CHS 4506C COS-CHEM 3(2.3)
Forensic Investigation Technology: PR: A grade of “C” or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. Occasionally.
UCF Courses and Descriptions

CHS 4515C COS-CHEM 4(2,6) Forensic Crime Scene Investigation: PR: Grade of C or better in CHS 3511C, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of C or better in CHS 3501, CHS 3505C, and CHS 3533 or CSI. Provides a review of quality assurance in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.

CHS 4615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science M.S. or Forensic Science graduate certificate or C.I. History and current topics in Forensic Science. Fall.

CHS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0) The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Even Spring.

CIS 3360 COS-EECS 3(3,0) Security in Computing: PR: COP 3223C or EGN 3211 with a grade of C (2.0) or better. Security theory, Legal and human factors, Malware, Intrusion patterns and tools, Windows, Unix, TCP/IP, and applications vulnerabilities. Detection, Polices and enforcement. Protection and assurance. Occasional.


CIS 3921 COS-EECS 1(1,0) Careers in IT: PR: COP 3223C and IT major. An overview of the IT field, job opportunities and careers in information technology, detailed information about some jobs as well as a broad survey. Fall, Spring.

CIS 3990 COS-EECS 0(0,0) IT Career and Academic Advising I: PR: PHY 2035C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 4004 COS-EECS 3(3,0) Web-Based Information Technology: PR: CNT 3004 and COP 3330 each with grades of C (2.0) or better. Digital libraries, Media formats, Compression, Streaming Media, Mobile internet and WML. Emerging technologies. Capacity planning for web services, Fall, Spring.

CIS 4361 COS-EECS 3(3,0) Secure Operating Systems and Administration: PR: CIS 3360 with a grade of C (2.0) or better. CR: COP 4600 or CIS 3763 or EEL 4882. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4524 COS-EECS 3(3,0) Managing IT Integration: PR: CIS 3003 with a grade of C (2.0) or better. Requirements, acquisition and sourcing, Integration, Project management, Testing and QA. Organizational context. Architecture. Spring.

CIS 4615 COS-EECS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CIS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Fall, Spring.

CIS 4691 COS-EECS 0(0,0) IT Career and Academic Advising II: PR: CIS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 5105 COS-EECS 3(3,0) Capacity Planning and Performance Evaluation of Web Systems: PR: COP 4600 or CIS 3360 or CIS 3362 or C.I. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Fall, Spring.


CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3010. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJ 3(3,0) Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.C.J. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0) Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102, Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.


CJE 3362 HPA-CJ 3(3,0) CJ Information Technology and Data Management: PR: Sophomore Standing and CJS 1060C or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012 HPA-CJ 3(3,0) Criminal Profiling in Criminal Justice: PR: CCJ 3014 or Criminal Profiling or Crime Scene Investigation Certificate and Junior Standing) or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ 3(3,0) Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ 4(0,0) Comparative Justice Systems: PR: CCJ 3024 and CJC 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352 HPA-CJ 3(3,0) Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3,0) Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the operations required by community policing. Occasional.

CJE 4572 HPA-CJ 3(3,0) Justice Agency Operations: PR: CCJ 3024 or C.I. Elements, functions, and processes essential to the continued management of various criminal justice agencies, Institutions and court systems. Occasional.

CJE 4610 HPA-CJ 3(3,0) Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.
COMM 3013  COMM 3(3,0)
Communication and the Family: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The ways members of a family unit interact verbally and nonverbally to influence one another. Fall, Spring.

COMM 3022  COMM 3(3,0)
Health Communication: PR: SPC 1608, SPC 1603C, COM 1000, or C.I. Theories and research related to the role communication plays in health. Fall.

COMM 3110  COMM 3(3,0)
Business and Professional Communication: PR: I/O, Ad-PR, or R-TV Majors or I/O Com Minors only, and one of the following: SPC 1608, SPC 1603C, or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.

COMM 3110H  COMM 3(3,0)
Honors, Business and Professional Communication: PR: Majors only, SPC 1608 or SPC 1603C or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. Occasional.

COMM 3120  COMM 3(3,0)
Organizational Communication: PR: or CR: COM 3311, or C.I. A study of communication functions and processes within the contexts of industries. Fall, Spring.

COMM 3311  COMM 3(3,0)
Communication Research Methods: PR: STA 2044C and I/O Major or I/O Minor, or C.I. Communication Research Methods in communication. Understanding and evaluation of research. Fall, Spring.

COMM 3330  COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060 or CGS 2100C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Spring.

COMM 3332  COMM 3(3,0)
Communication, Technology, and Change: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Fall, Spring.

COMM 3406  COMM 3(3,0)
Role of Motivation in Communication: PR: or CR: COM 3311, or C.I. Emphasis on motivation theories that directly affect the process of human communication. Occasional.

COMM 3800  COMM 3(3,0)
Conflict Communication Research Methods: PR: SPC 1608, or SPC 1603, or COM 1000, or C.I. Survey of research methods used by conflict communication scholars. Emphasis on approaches, methodologies, and analyses used to inform the process of human conflict communication. Fall, Spring.

COMM 3801  COMM 3(3,0)
Communication Theories of Interpersonal Conflict: PR: or CR: COMM 3800. Examination of social dynamics, interpersonal behavior, and motivation in a variety of settings in order to analyze intergroup conflict, and violence reducing strategies and techniques. Fall, Spring.

COMM 3802  COMM 3(3,0)
Communication & Conflict: PR: or CR: COMM 3800. Examination of major theories and concepts related to communication and conflict focusing on the influence of message content, relationships, and environments in multiple conflict scenarios. Fall, Spring.

COMM 3912  COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: ENG 1050, SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

COMM 4014  COMM 3(3,0)
Gender Issues in Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Fall, Spring.

COMM 4416  COMM 3(3,0)
Terrorism and Conflict Communication: PR: One of the following: SPC 1603C, SPC 1608, or C.I. How terrorism is a communication process. How mass media, symbolic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall, Spring.

COMM 4416H  COMM 3(3,0)
Honors Terrorism and Communication: PR: One of the following: SPC 1603C, or SPC 1608, or COM 1000 or C.I. and Consent of Honors. 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. Occasional.

COMM 4461  COMM 3(3,0)
Intercultural Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. Fall, Spring.

COMM 4462  COMM 3(3,0)
Conflict Management: PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COMM 4550  COMM 3(3,0)

COMM 4803  COMM 3(3,0)
Third Party Processes & Intervention: PR: or CR: COM 3800. Identify components and skills in multiple third party processes including mediation, arbitration, and facilitation; build conflict management and process design skills. Spring.

COMM 4804  COMM 3(3,0)
Conflict & Communication Context: PR: or CR: COM 3800. Exploration of conflict factors that contribute to the development of conflict across groups, cultures and societies. Fall, Spring.

COMM 4805  COMM 3(3,0)
Transformative Communication: PR: or CR: COM 3800. Examines various western and non-western belief/ethical systems, and how conflict may be perceived, communicated and interpreted using metaphysical approaches to conflict management. Fall.

COMM 4806  COMM 3(3,0)
Communication & Conflict Case Studies: PR: Senior Standing, or C.I. Application of communication and conflict theories to intercultural and community case studies, examining historical, political, and cultural elements of empowerment and peace-building. Spring.

COMM 5932  COMM 3(3,0)
Topics in Communication Theory and Research: PR: Admission to Communication M.A. program or C.I. In-depth examination of a particular area of communication theory and research, emphasizing major developments, current uses, implications for research, and overall impact on the field. Occasional.

COP 2500C  ECE-EECS  3(4,1)
Concepts in Computer Science: Fundamental concepts in computer science, data structures, algorithms, analysis and a survey of topics in C. Not open to Computer Science majors. Fall, Spring.

COP 3222C  ECE-EECS  3(3,1)
Introduction to Programming with C: Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. Fall, Spring.
COP 4610L ECS-EECS 3(0,3) Operating Systems Laboratory: PR: COP 3502C. 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-EECS 3(3,0) Database Systems: PR: COP 3500C with a grade of “C” (2.0) or better. Structures, models, languages, database theory, database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-EECS 3(3,0) Frontiers in Information Technology: PR: CRT 4703 with a grade of “C” (2.0) or better; CRT CR 4703C and CIS 4951. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year timeframe. Fall, Spring.

COP 4934 ECS-EECS 3(3,0) Senior Design II: PR: COP 3402 and COP 3500C each with a grade of “C” (2.0) or better and consent of Department of EECS; CR: CRT CR 4331C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 5021 ECS-EECS 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-EECS 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-EECS 3(3,0) Operating Systems Design Principles: PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programs, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. Spring.

COP 5621 ECS-EECS 3(3,0) Compiler Construction: PR: COP 4042 and COP 4210 or C.I. Instruction set architecture, virtual machine code, code optimization, assembly code optimization, virtual machine execution, and runtime support systems. Fall.

COT 3100C ECS-EECS 3(3,1) Introduction to Discrete Structures: PR: MAC 1105C and MAC 1144C each with a grade of “C” (2.0) or better. Logic, sets, functions, relations, combinators, graphs, Boolean geometrics, finite-state machines, Turing machines, unsolvability, computational complexity. Fall, Spring.

COT 3100H ECS-EECS 3(3,0) Honors Introduction to Discrete Structures: PR: Permission of Honors or MAC 1105C and MAC 1144C each with a grade of “C” (2.0) or better. Logic, sets, functions, relations, combinators, graphs, Boolean geometrics, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.

COT 3960 ECS-EECS 0(1,0) CS Foundation Exam: PR: COP 3502C and COT 3100C each with a grade of "C" (2.0) or better. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-EECS 3(3,0) Discipl Structures II: PR: COP 3503C with a grade of “C” (2.0) or better and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4500 ECS-EECS 3(3,0) Numerical Calculus: PR: ENC 1102 or MAC 2312 and COP 3222C each with a grade of “C” (2.0) or better. Numerical methods for finding roots of nonlinear equations, solutions of systems of linear equations, and ordinary differential equations. Occasional.

COT 4810 ECS-EECS 3(3,0) Topics in Computer Science: PR: PR: COP 3402 and COP 3503C each with a grade of “C” (2.0) or better and COT 3960. A range of topics from the field of Computer Science, such as graphic communication systems, computer technology and programming, computer organization and design, and artificial intelligence. Even Fall.

COT 5405 ECS-EECS 3(3,0) Design and Analysis of Algorithms: PR: COT 4210. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. Fall, Spring.

CPO 3024 COS-POLS 3(3,0) Politics of Developing Areas: PR: IRN 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3057 COS-POLS 3(3,0) Contemporary Revolution and Political Violence: PR: ENC 1102 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

CPO 3103 COS-POLS 3(3,0) Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 COS-POLS 3(3,0) Politics of Western Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS 3(3,0) Canadian Studies: PR: POS 2041 or C.I. A multidisciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 COS-POLS 3(3,0) Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403H COS-POLS 3(3,0) Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content Occasional.

CPO 3614 COS-POLS 3(3,0) Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4062 COS-POLS 3(3,0) Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.

CPO 4074 COS-POLS 3(3,0) Political Economy: PR: ENC 1102 or POS 2041 or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS 3(3,0) Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0) Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain’s foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS 3(3,0) Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS 3(3,0) Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0) Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.

CPO 4541 COS-POLS 3(3,0) Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China’s political development since 1949. Occasional.

CPO 4553 COS-POLS 3(3,0) Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international political influence the functioning of the Japanese economy. Occasional.

CPO 4642 COS-POLS 3(3,0) Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I. Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0) Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4731 COS-POLS 3(3,0) Politics of Democratization: PR: POS 2041 or ENC 1102 or IRN 2002 or Junior standing or C.I. Develops comparative perspectives and analytical skills on issues of democratization and regime change. Occasional.

CPO 4754 COS-POLS 3(3,0) Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: ENC 1102 or POS 2041 or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4911 COS-POLS 3(3,0) Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3010H</td>
<td>Honors Creative Writing</td>
<td>PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content, practice and critique of original writing by peers and critical reading of established authors. Occasional.</td>
</tr>
<tr>
<td>CRW 3011</td>
<td>Creative Writing for Non-Majors</td>
<td>PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres, the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3012</td>
<td>Fiction Writing Workshop</td>
<td>PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102. The study of fiction writing with emphasis on the elements of fiction and practice in the genre. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3053</td>
<td>Theory &amp; Practice of Creative Writing</td>
<td>PR: English major or minor, Junior standing, and a grade of &quot;C&quot; (2.0) or better in ENC 1102 or C1. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
<td>PR: English major or minor, Junior standing, and grade of &quot;C&quot; (2.0) or better required in ENC 1102 or C1. Literary genres, practice and critique of peer writing; critical reading of established authors. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 3050</td>
<td>Writing of Established Authors</td>
<td>PR: English major or minor, Senior standing, and grade of &quot;C&quot; (2.0) or better required in ENC 1102 or C1. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.</td>
</tr>
<tr>
<td>CRW 4114</td>
<td>History of Prose</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610. Critical/non-fiction works and fictional works by a series of authors. Occasional.</td>
</tr>
<tr>
<td>CRW 4112</td>
<td>Advanced Fiction Writing Workshop</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and CRW 3120. C1. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4123</td>
<td>Science Fiction Writing</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035, and CRW 3120. C1. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.</td>
</tr>
<tr>
<td>CRW 4224</td>
<td>Advanced Nonfiction Workshop</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035, CRW 3120 or C1. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4320</td>
<td>Advanced Poetry Writing Workshop</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and CRW 3120. C1. Intensive practice in writing poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4616</td>
<td>Advanced Scriptwriting Workshop</td>
<td>PR: English major or minor, Junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and CRW 3120. C1. Intensive practice in writing poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4722</td>
<td>Editing for Creative Writing</td>
<td>PR: English major or minor, Junior standing, and grade of &quot;C&quot; (2.0) or better required in CRW 3013, CRW 3035, and CRW 3120. C1. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>CRW 4804</td>
<td>Creative Writing in the Community</td>
<td>PR: English major or minor, Junior standing, and grade of &quot;C&quot; (2.0) or better required in CRW 3013, CRW 3035, and CRW 3121. C1. Teaching creative writing to community groups through service-learning. Occasional.</td>
</tr>
<tr>
<td>CRW 5020</td>
<td>Graduate Writing Workshop</td>
<td>PR: Admission to Creative Writing MFA or C1. Students write their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 5 times. Fall, Odd Spring.</td>
</tr>
<tr>
<td>CRW 5130</td>
<td>Form and Theory in Creative Writing</td>
<td>PR: Admission to Creative Writing MFA or C1. Formal and theoretical study of creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.</td>
</tr>
<tr>
<td>CRW 5948C</td>
<td>Creative Writing Service Learning</td>
<td>PR: Admission to Creative Writing MFA or C1. On-site experience leading creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.</td>
</tr>
<tr>
<td>CWR 4632C</td>
<td>Water Resources Engineering I</td>
<td>PR: STA 3052 and CWR 3201 both with a grade of &quot;C&quot; (2.0) or better. Description and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. Fall, Spring. M&amp;S fee $21.00.</td>
</tr>
<tr>
<td>CWR 4633C</td>
<td>Water Resources Engineering II</td>
<td>PR: CWR 3201 with a grade of &quot;C&quot; (2.0) or better. Provision of an advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring.</td>
</tr>
<tr>
<td>CWR 4812C</td>
<td>Water Resources Design</td>
<td>PR: CWR 4632C with a grade of &quot;C&quot; (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using real and state regulations. Fall, Spring. M&amp;S fee $15.00.</td>
</tr>
<tr>
<td>CWR 5125</td>
<td>Groundwater Hydrology</td>
<td>PR: CWR 4633C or C1. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.</td>
</tr>
<tr>
<td>CWR 5515</td>
<td>Numerical Methods in Civil and Environmental Engineering</td>
<td>PR: CWR 4633C or C1. 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.</td>
</tr>
<tr>
<td>CWR 5545C</td>
<td>Water Resources Engineering</td>
<td>PR: CWR 4633C or C1. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations, including analysis and operations research techniques. Occasional.</td>
</tr>
<tr>
<td>CWR 5634C</td>
<td>Water Resources in a Changing Environment</td>
<td>PR: CWR 4632C. To model and understand potential impact of climate change and human activities on hydrologic systems and various spatial and temporal scales. Odd Fall.</td>
</tr>
<tr>
<td>DAA 2000C</td>
<td>Introduction to Theatre Dance</td>
<td>PR: Theatre major, Dance minor, or department consent. Introduction of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.</td>
</tr>
<tr>
<td>DAA 2100C</td>
<td>Modern Dance I</td>
<td>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.</td>
</tr>
</tbody>
</table>
DAA 2101C CAH-THEA 2(2.1) Modern Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2.1) 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(2.1) Ballet II: PR: Theatre major. Dance minor, or department consent. Theory of classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2300 ED-EAHS 2(2.0) Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-EAHS 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(2.1) 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(2.1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2.1) 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(2.1) Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall.

DAA 2571C CAH-THEA 2(2.1) 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 3004L CAH-THEA 1(0,2) Dance Studio: PR: Theatre major, Theatre minor or Dance Minor and any DAA course offered by the Theatre Department. Periodic attendance at departmental dance classes with permission of individual instructors. Graded S/U. May be repeated for credit. Fall, Spring.

DAA 3208C CAH-THEA 2(2.1) Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3508C CAH-THEA 2(2.1) Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and "C" (2.0) or better required in DAA 2571C. Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2.1) Tap Dance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.


DAA 3645 CAH-THEA 2(0,VAR) Choreography I: PR: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public 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, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. Spring. M&S fee $15.00

DAA 3370 ED-EAHS 3(1,2) Dance and Rhythms: The development of skill proficiency and instructional strategies in rhythms and dance techniques, and fundamental movement patterns for grades K-12. Occasional.

DAN 3134 CAH-THEA 3(3.0) Dance History I: PR: ENC 1101 or any 2000-level History course or C.I. The roots, trends, and styles of dance from prehistory into the early 20th century. Fall.


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 emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(0,3) 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-SVAD 3(3.0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and processes associated with digital media and design for digital media with emphasis on production and communication. Fall, Spring.


DIG 2109C CAH-SVAD 3(2.2) Digital Imaging Fundamentals: CR: DIG 2000. Introduces concepts and principles of image creation, the tools and techniques of image capture, manipulation, and integration for design concepts. Fall, Spring.


DIG 2821 CAH-SVAD 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 novel, and useful ideas for digital media. Fall, Spring.
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DIG 3480C CAH-SVAD 3(2,2) Computer as a Medium: PR: DIG 2500C and a minimum grade of B’ (3.0) in DIG 3000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 2100C, and a minimum grade of B’ (3.0) in DIG 2000. Media project planning, execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3554 CAH-SVAD 3(3,0) Digital Tools and Technologies: Web Design: PR: Grade of C’ (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets with an emphasis on developing business models. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable web sites. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 0(0,0) Character Animation Portfolio Review: PR: C.I. Review of relevant digital and artistic works in a student’s portfolio. Graded S/U.

DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.


DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(3,0) Modeling for Visual Language: PR: DIG 4451C or C.I. Application of techniques taught to model, rig, and prepare visual characters so that they may be animated effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques of design, development, rendering, look, emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD 3(1,4) Geometrical Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4356C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3002C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4323C or C.I. Advanced techniques for creating, lighting, materials, and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4380C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as part of Final Cut Pro’s Content. Fall.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: DIG 4395C, successful portfolio review, or C.I. Develop creative skills, learn theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(3,0) Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(3,0) Visual Storytelling and Visual Development Workshop: PR: DIG 3435C and successful portfolio review, or C.I. Techniques of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3,0) Interactive Performance I: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3435C, successful portfolio review, or C.I. Application of concepts and techniques taught in Visual Language to design, develop, text, texture, light, style, story, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0) Rapid Application Web Development: PR: DIG 3134 and DIG 2716C. Techniques of web development using current server-side and client-side scripting techniques and database technologies. Spring.

DIG 4522 CAH-SVAD 3(3,0) Digital Media Service: PR: DIG 3035. Practicum in which students utilize advanced digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0) Digital Media Production II: PR: DIG 3525 and a minimum grade of B’ (3.0) or better in DIG 2000. Managers and leaders of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2) Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4395C, successful portfolio review, or C.I. Techniques of digital production in virtual environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.


DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for various web-based applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0) Casual Game Production: PR: DIG 3525 and DIG 3811. Application of advanced game design and development strategies in creating casual games. Fall, Spring.

DIG 4706C CAH-SVAD 3(3,0) Team Project: PR: DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0) Game Design: PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring

DIG 4720C CAH-SVAD 3(3,0) Casual Game Production: PR: DIG 2500C, or a minimum grade of B’ (3.0) in DIG 2013C and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, FL 3720C, a minimum grade of B’ (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.


DIG 4855 CAH-SVAD 3(3,0) Converging Media Capstone: PR: C.I. Corequisite and 12 hours of restricted electives within the Visual Arts and Emerging Media Management Track. Team-based converging media project leading to a capstone project that emphasizes creative thinking, prototype development, marketing, and assessment paralleling the business world. Even Fall, Even Spring. M.S. fee $45.00

DIG 5045C CAH-SVAD 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.
EUC 4815 ED-CFCS 3(3,0)  

ECW 3312 ED-CFCS 3(3,0)  
Course Construction in Health Occupations Education: PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3564 ED-CFCS 3(3,0)  
Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECT 5207 ED-CFCS 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.

ECT 5265 ED-CFCS 2-4(2-4,0)  
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECC 5561 ED-CFCS 2-3(2-3,0)  
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EDE 2280 ED-TL&L 3(3,0)  
Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.

EDE 3942 ED-TL&L 3(3,0)  
Internship I: PR: EGD 4410, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080, CR. MAE 4326, RED 4942, SCE 3510. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 3942H ED-TL&L 3(3,0)  
Honors Internship I: PR: MAE 2801, RED 3012, RED 4519. TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, teacher work sample methodology and just-in-time coaching. Odd Fall.

EDE 4223 ED-TL&L 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-TL&L 7-12(0.35)  

EDE 4945 ED-TL&L 1(1.0)  
Internship II (Secondary): PR: All required program courses; CR: EDE 4943 Internship II. Culuminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 2005 ED-TL&L 3(3,0)  
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2007 ED-TL&L 3(3,0)  
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDF 2085 ED-TL&L 3(3,0)  
Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and career development and changes stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDF 2130 ED-TL&L 3(3,0)  
Child and Adolescent Development for Educators: Core examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-TL&L 3(3,0)  
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2510 ED-TL&L 3(3,0)  

EDF 2720 ED-TL&L 3(3,0)  
Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2035, 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.

EDF 2801 ED-TL&L 3(3,0)  
Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. Fall.

EDF 3120 ED-TL&L 3(3,0)  
Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive overview of the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Fall.

EDF 3601 ED-TL&L 3(3,0)  
Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 4466 ED-TL&L 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 evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.

EDF 4467 ED-TL&L 3(3,0)  

EDF 4467H ED-TL&L 3(3,0)  
Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical/conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDF 4503 ED-TL&L 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, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 3(3,0)  
Honors Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall.

EDF 5245 ED-TL&L 3(3,0)  

EDF 5607 ED-TL&L 3(3,0)  
Language, Culture, and Pedagogy: Impact and Applications: PR: C.I. Explores the impact of current 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-TL&L 2(1,1)  
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0)  
Planning for Effective Instruction for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4410 ED-TL&L 3(3,0)  
Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 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-TL&L 1-8(0,1-8)  
Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-TL&L 3(3,0)  
Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-TL&L 3(3,0)  
International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3,0)  
Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers’ instructional practices. Occasional.

EDG 5745 ED-TL&L 3(3,0)  
Teaching the Non-English Student: PR: C.I. Study of non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-TL&L 2-8(0,11)  
Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDE 2270 ED-TL&L 3(3,0)  
BLIT Developmental Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.
UCF Courses and Descriptions

EDS 5356 ED-TL&L 3(2.1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2732 ED-TL&L 3(3.0) Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECC 3008 ED-TL&L 3(3.0) Early Childhood Education: Children's Literature: PR: Admission into the Early Childhood Development and Education Program (Track 3), ECC 3700, EEC 4661, RED 3310, and PET 4056C. A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children’s books. Spring.


ECC 4207 ED-TL&L 3(3.0) Assessment and Evaluation of Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), ECC 4300, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

ECC 4235C ED-TL&L 3(2.1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, ECC 4668, EES 3450 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, ECC 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

ECC 4260 ED-TL&L 3(3.0) Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), ECC 4300, and ECC 4528. Formal and informal evaluation techniques, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program’s stakeholders. Fall.


ECC 4303 ED-TL&L 3(3.0) Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

ECC 4314 ED-TL&L 3(3.0) Effective Practices for Guiding Young Children's Behavior: PR: Admission into Early Childhood Development and Education Program (Track 3), ECC 4303, and ECC 4528. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. Spring.

ECC 4402 ED-TL&L 3(3.0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECC 4414 ED-TL&L 3(3.0) Parent-Child Relations: PR: ECC 3700; ECC 4661; RED 3310; EEX 4751; LIN 3176; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

ECC 4524 ED-TL&L 3(3.0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to develop and implement an early childhood program. Occasional.

ECC 4528 ED-TL&L 3(3.0) Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


ECC 4940 ED-TL&L 12(0,12) Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

ECC 4942 ED-TL&L 3(0,9) Practicum: Early Childhood Careers: PR: Admission into the Early Childhood Development and Education Program (Track 3), ECC 4414, ECC 4260, ECC 4314, and ECC 4211. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Spring.

ECC 4943 ED-TL&L 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

ECC 5205 ED-TL&L 3(3.0) Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, facilities, instruction, materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

ECC 5206 ED-TL&L 3(3.0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

ECC 5208 ED-TL&L 3(3.0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization and methods for creative activities involving music, art, literature and material toys, integration of activities, and skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

ECC 5745 ED-TL&L 3(3.0) Child Life: Psychosocial Care of Children in Health Settings: PR: ECC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

EEE 3307C ECS-Eecs 4(3.3) Electronics I: PR: EEL 3123C with a grade of “C” (2.0) or better. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00.

EEE 3342C ECS-Eecs 3(2.3) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programable logic devices. Fall, Spring. M&S fee $9.00.

EEE 3350 ECS-Eecs 3(3.0) Semiconductor Devices I: PR: EEL 3044C with a grade of “C” (2.0) or better and PHY 3101, Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4390C ECS-Eecs 4(3.3) Electronics II: PR: EEE 3307C, EEE 3342C with a grade of “C” (2.0) or better. Digital Logic, Computer architecture, Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-Flops and memory cells, comparators and timing circuits; AD and DA converters. Fall, Spring. M&S fee $20.00.


EEE 4346C ECS-Eecs 2(3.2) Hardware Security: A Trusted Circuit Design: PR: EEL 3801C with a grade of “C” (2.0) or better. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware descriptive language. Case studies on hardware security. Spring.

EEE 4463 ECS-Eecs 3(3.0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.
EEE 5265 ECS-EECS  3(3,0)
Biomedical Effects and Applications of Electromagnetic Energy: PR: EEL 3470 or C.I. RF and microwave energy and their interaction with biological materials. Specific biomedical effects such as absorption, thermal therapy, hyperthermia, etc., will be discussed. Even Spring.

EEE 5272 ECS-EECS  3(3,0)
Biomedical Sensors: PR: EEL 4750 or EEL 4504. Study of engineering concepts behind various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEE 5332C ECS-EECS  3(2,1)
Semiconductor Material and Device Characterization: PR: EEE 3330 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Odd Fall.

EEE 5352C ECS-EECS  3(2,3)
Thin Film Technology: PR: EEE 3330 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S $70.00

EEE 5353 ECS-EECS  3(3,0)
Semiconductor Device Performance Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C ECS-EECS  4(3,3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory and device processing technology. Fall, Spring. M&S fee $70.00

EEE 5370 ECS-EECS  3(0)

EEE 5378 ECS-EECS  3(3,0)
CMOS Analog and Digital Circuit Design: PR: EEE 4030C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5390C ECS-EECS  3(2,3)
Full-Custom VLSI Design: PR: EEE 3307C and EEE 3340 with a grade of "C" (2.0) or better grade. Provide background in integrated devices, circuits, and digital subsystems needed for design and implementation of silicon logic chips. Occasional.

EEE 5513 ECS-EECS  3(3,0)

EEE 5542 ECS-EECS  3(3,0)

EEE 5555 ECS-EECS  3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEE 5557 ECS-EECS  3(3,0)
EEL 4818H ECS-EECS 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3601 with a grade of "C" (2.0) or better or STA 3024C with a grade of "C" (2.0) or better or STA 3032C or C. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Occasional.

EEL 4832 ECS-EECS 3(3,0) Engineering Applications of Computer Methods: PR: EEL 3123C and EGN 3211 both with a grade of "C" (2.0) or better. 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-EECS 4(3,3) Engineering Data Structures: PR: EEL 3501C with a grade of "C" (2.0) or better. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, and related techniques. Introduction to object-oriented structures. Occasional.

EEL 4872 ECS-EECS 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3535C or equivalent or C. Knowledge and intelligence, predicate logic and automatic reasoning, expert systems, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-EECS 3(3,0) Engineering Design Systems Software: PR: EEL 4851C. Introduction to operating systems concepts and facilities for engineering applications, including multiprocessing, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.


EEL 4914 ECS-EECS 3(3,0) Senior Design I: PR: EEE 3307C, EEL 4742C, and COP 3503C. Application of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-EECS 3(0.3) Senior Project II: PR: EEL 4914. Execution of an electrical and computer engineering project involving 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-EECS 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-EECS 3(3,0) System Identification: PR: EEL 3657 or C. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency- and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Spring.

EEL 5245C ECS-EECS 3(2,1) Power Electronics: PR: EEE 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-ac converters, cyclo-converters, applications. Fall.
UCF Courses and Descriptions

EEX 3241 ED-CFCS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. Fall, Spring.


EEX 3450 ED-CFCS 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942 ED-CFCS 3(3,0) Internship I Exceptional Education: PR: EEX 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.


EEX 4242 ED-CFCS 3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EDF 2085. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EEX 4601 ED-CFCS 3(3,0) Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCS 3(3,0) Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. Occasional.

EEX 4753 ED-CFCS 3(3,0) Parent/professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCS 3(3,0) Respite Care: PR: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Occasional.

EEX 4763 ED-CFCS 3(3,0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAF 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0.35) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EEX 5051 ED-CFCS 3(3,0) Exceptional Children in the Schools: CR: Senior standing, 4 credits, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5702 ED-CFCS 3(3,0) Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning and developmentally appropriate practices. Implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750 ED-CFCS 3(3,0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGN 3601 ECS-MECHAERO 3(3,0) Solid Mechanics: PR: EGR 3310 and "C" (2.0) or better in the following: MAC 2310, MAC 2312, MAC 2313, and PHY 2048. CR: MAP 3202. Concepts of stress, strain, deflection, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3601H ECS-MECHAERO 2(2,0) Solid Mechanics: Lab: CR: EGR 3601. Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gauge measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M&G $45.00

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: EGR 1007C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems and an introduction to the concepts and engineering design through the use of teams: engineering communication, engineering professionalism and ethics. Spring.

EGN 2920C ECS-ECS 2(1,1) 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 1010C, EGS 106C, EDG 105C or HSC 1931C. Provides experiential leadership experiences in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3211 ECS-ECS 3(3,0) Engineering Analysis and Computation: PR: MAC 2312 with a "C" (2.0) or better. Engineering analysis and computation with structured constructs. Subscripted variables, functions, input/output. Applications in embedded systems and examples in numerical methods. Fall, Spring.

EGN 3310 ECS-CCEE 3(3,0) Engineering Analysis-Statics: PR: MAC 2311C, PHY 2048C both with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CCEE 3(3,0) Honors Engineering Analysis-Statics: PR: Permission of Honors and MAC 2311C, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-MECHAERO 3(3,0) Engineering Analysis-Dynamics: CR: EGR 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies: mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MECHAERO 3(3,0) Honors Engineering Analysis - Dynamics: PR: Permission of Honors and EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies: mass and acceleration, work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CCEE 3(3,0) Mechanics of Materials: PR: EGR 3310 with a grade of "C" (2.0) or better; CR: MAP 2302. Concepts of stress, strain, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. Fall, Spring.

EGN 3343 ECS-MECHAERO 3(3,0) Thermodynamics: CR: EGR 3321 or EML 3217, MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. Fall, Spring.

EGN 3343H ECS-MECHAERO 3(3,0) Honors Thermodynamics: PR: Honors status. CR: EGN 3343 or EGR 3343H or EML 3217, & MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. Spring.

EGN 3358 ECS-MECHAERO 3(3,0) Thermo-Fluids-Heat Transfer: PR: EGR 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.

EGN 3365 ECS-MECHAERO 3(3,0) Structure and Properties of Materials: PR: (CHS 1440 or CHM 2045C) and MAC 2312 with grades of "C" (2.0) or better in both; and consent of Honors. Atomic bonding; lattices, phonons; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EGN 3365H ECS-MECHAERO 3(3,0) Honors Structure and Properties of Materials: PR: MAC 2312, and (CHS 1440 or CHM 2045C), with grades of "C" (2.0) or better in both; and consent of Honors. Atomic bonding; lattices, phonons; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EGN 3373 ECS-ECS 3(3,0) Principles of Electrical Engineering: PR: PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Fall, Spring.


EGN 3420 ECS-ECS 3(3,0) Engineering Analysis: PR: EGR 3311, and MAC 2312 with a “C” (2.0) or better. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Occasional.

EGN 3613 ECS-EMS 2(2,0) Engineering Economic Analysis: PR: MAC 2311C with a grade of “C” (2.0) or better, not open to Electrical Engineering students. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. Fall, Spring.

EGN 4060 ECS-Robotics 3(2.3) Introduction to Robotics: PR: COP 3223C or EGR 3311; and EEL 3657 or EEL 4742 or COP 3503C or EGR 3321 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.
EGN 4641C ECS-ECS 3(2,2) Engineering Entrepreneurship: PR: Senior standing, ENT 4163, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and other specialists, based on their own experiences. Occasional.

EGN 4921H ECS-ECS 3(3,0) Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the research community employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGS 1006C ECS-ECS 1(1,2) Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGS 1036C ECS-EMS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGS 3030 ECS-ECS 0(2,0) Leadership in Engineering I: PR: Junior standing in a CECs major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGS 3031 ECS-ECS 0(2,0) Leadership in Engineering II: PR: Junior standing in a CECs major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGS 4624 ECS-EMS 3(3,0) Engineering Innovation and Leadership: PR: Senior standing. A broad range of topics including corporate organization structures, individual and team leadership, and techniques to enhance innovation and creativity. Spring.

EGS 4710 ECS-ECS 3(3,0) Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGS 4950 ECS-ECS 3(3,0) Engineering Leadership Capstone: PR: Enrollment in Engineering Minor or Certificate. CR: approved design course in Engineering or Computer Science. Students will reflect upon and define their professional approach. Students will develop their professional portfolio, concept of operations, and individual strategic plan. Fall, Spring.

EIN 2002 ECS-EMS 1(1,0) Introduction to Industrial Engineering and Management Systems: PR: MAC 2311C with a grade of "C" (2.0) or better and sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-EMS 3(3,0) Work Analysis and Design: PR: STA 3032 with a grade of "C" (2.0) or better and C.I. Introduction to lean sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3351 ECS-EMS 3(3,0) Engineering Economic Analysis and Cost Engineering: PR: EIN 2311C with a grade of "C" (2.0) or better. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-EMS 3(3,0) Principles of Cost Engineering: PR: EGN 3313. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-EMS 2(2,2) Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (developmental to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-EMS 2(2,2) Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-EMS 3(3,0) Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault tree and OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.

EIN 4243C ECS-EMS 3(2,2) Human Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Human-machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-EMS 3(3,0) Production and Distribution Systems: PR: ESI 3121 with a grade of "C" (2.0) or better. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-EMS 3(3,0) Facilities Planning: PR: EIN 3314 with a grade of "C" (2.0) or better; PR: or CR: EIN 3351. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-EMS 3(3,0) Manufacturing Engineering: PR: Grade of "C" (2.0) or better in any of the following course options (CHEM 2045 or CHM 2044, and CHEM 2041), and Junior Standing. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-EMS 3(3,0) Systems Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Spring.

EIN 4545 ECS-EMS 3(3,0) Industrial Engineering Applications in The Service Industries: PR: EIN 3312 with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C ECS-EMS 4(2,4) Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5108 ECS-EMS 3(3,0) The Environment of Technical Organizations: PR: Graduate status or C.I. EGS 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-EMS 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-EMS 3(3,0) Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, project and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-EMS 3(2,2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-EMS 3(3,0) Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and standardized evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5255C ECS-EMS 3(2,2) Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulations for knowledge transfer in the technical environment. Fall.

EIN 5317 ECS-EMS 3(3,0) Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Occasional.

EIN 5346 ECS-EMS 3(3,0) Engineering Logistics: PR: ESI 3306 or ESI 4312. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-EMS 3(3,0) Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C ECS-EMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

EMA 3000 ECS-EMS 3(3,0) Engineering Polymeric, Ceramic, and Composite Materials: PR: EGN 3365 or EMA 3706. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. Occasional.

EMA 3012C ECS-EMS 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M/S fee $45.00

EMA 3124 ECS-EMS 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-EMS 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHEM 2045C, and PHY 2048 or PHY 2053C and EGN 3365. Nanomaterials, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MEC/AERO 3(3,0) Structure and Properties of Aerospace Materials: PR: (CHS 1440 or CHEM 2045C) and MAC 2232. Grades of "C" (2.0) or better in both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design Fall, Spring.

EMA 4102 ECS-EMS 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3355 or EMA 3706; and "C" (2.0) or better in all of the following: CHS 1440 or CHEM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

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EME 4223 ECS-MSE 3(3,0)

EME 4413 ECS-MECH/AERO 3(3,0)

EME 4503 ECS-MSE 3(3,0)

EME 4506 ECS-MSE 3(3,0)

EME 5060 ECS-MSE 3(3,0)

EME 5104 ECS-MSE 3(3,0)

EME 5106 ECS-MSE 3(3,0)

EME 5108 ECS-MSE 3(3,0)
Surface Science: PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum systems utilizing electron, ion and photon probes. Occasional.

EME 5140 ECS-MSE 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.

EME 5317 ECS-MSE 3(3,0)

EME 5326 ECS-MSE 3(3,0)

EME 5415 ECS-MSE 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 defect phenomena. Fall.

EME 5504 ECS-MSE 3(3,0)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EME 5505 ECS-MSE 3(2,2)

EME 5584 ECS-MSE 3(3,0)

EME 5585 ECS-MSE 3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processes with the structure and properties of the materials deposited. Odd Fall.

EME 5586 ECS-MSE 3(3,0)

EME 5587 ECS-MSE 3(3,0)

EME 5588 ECS-MSE 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity, cell-membrane interactions, engineering bone and cartilage, soft-tissue replacements, total hip replacements, nanotechnology, biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EME 5610 ECS-MSE 3(3,0)
Laser Materials Processing: PR: EGN 3365 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser heating, melting, vaporization, Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.

EME 5705 ECS-MSE 3(3,0)
High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, high temperature oxidation, mechanical behavior, and land-based gas turbine requirements. Occasional.

EME 2040 ED-TL&L 3(3,0)

EME 5225 ED-E&HS 3(3,0)
Media for Children and Young Adults: PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. Occasional.

EME 5811 ED-TL&L 1(1,0)
Teaching and Learning with Technology: PR: Acceptance into Ed Med Program of 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.

EME 3001C ECS-MECH/AERO 1(1,2)

EME 3034C ECS-MECH-AERO 3(3,1)
Modeling Methods in Mechanical and Aerospace Engineering: PR: “C” (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C, and MAC 3217 or EAS 3390 or EMA 3706. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. Occasional. Fall, Spring.

EME 3101 ECS-MSE 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic analysis of complete mechanical systems. Spring.

EME 3217 ECS-MSE 3(3,0)
Engineering Mechanics - Dynamics: PR: MAC 2313 with a grade of "C" (2.0) or better. EGN 3310, CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, Introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force. Fall, Spring.

EME 3262 ECS-MECAHAERO 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EME 3303C ECS-MECAHAERO 3(2,3)

EME 3500 ECS-MECAHAERO 3(3,0)
Design and Analysis of Machine Components: PR: EGM 3601, EGN 3343 or C.I. A review of the mechanical properties of materials to the design of mechanical components. Fall, Spring.

EME 3701 ECS-MECAHAERO 3(3,0)
Fluid Mechanics I: PR: EML 3217, EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EME 3990 ECS-MECAHAERO 0.0(0,0)
Graduate Thesis/Dissertation: PR: Acceptance into graduate program of C.I. Thesis research in an area of interest to the student. Fall, Spring, Summer.

EME 4005 ECS-MECAHAERO 3(3,0)
EML 4024C ECS-MECH/AERO 3(2,2)
Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques and computer-aided design. Emphasis on project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 4142 ECS-MECH/AERO 3(3,0)

EML 4143 ECS-MECH/AERO 3(3,0)
Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, multi-dimensional conduction, transient conduction, convection heat transfer, participating medium, boiling and condensation. Fall.

EML 4145 ECS-MECH/AERO 2(2,0)

EML 4220 ECS-MECH/AERO 3(3,0)

EML 4221C ECS-MECH/AERO 2(1,2)
Mechanical Systems Experimental Techniques: PR: EML 3303C or EAS 3800C; CR: EML 3217. Provides a teaching/laboratory experience in dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in designing and conducting tests, analysis and interpreting engineering data. Occasional. M&S fee $35.00

EML 4225 ECS-MECH/AERO 3(3,0)
Introduction to Vibrations and Controls: PR: EML 3217, EML 3601, EML 3034C, EGM 3373. Undamped and damped vibration analysis of mechanical systems with single and two degrees of freedom; forced vibration; concepts of feedback controls; classical proportional, derivative and integral (PID) feedback controls and root locus. Fall, Spring.

EML 4231L ECS-MECH/AERO 3(0,3)
Advanced Mechanics of Structures: PR: EGM 3601. An in depth analysis of the various modes of mechanical failure and characterization of structures with applications in MAE. Fall, Spring.

EML 4260 ECS-MECH/AERO 3(3,0)
Dynamics of Machinery: PR: EML 3262 or EML 3217. Basic concepts and principles of large power generating systems and components, with emphasis on the design and testing of large power generating systems and components utilizing both chemical and nuclear fuels. Occasional.

EML 4264 ECS-MECH/AERO 3(3,0)
Vehicle Dynamics: PR: ELM 3262 or EML 3217, EML 4220 or EML 4225. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.

EML 4293C ECS-MECH/AERO 3(2,2)

EML 4301C ECS-MECH/AERO 3(2,3)
Mechanical Systems Lab: PR: EML 3303C, EML 3601; CR: EML 4225. Teaching laboratory in solid mechanics, dynamic vibrations and control-feedback testing theory: designing and conducting experiments; analyzing and interpreting data. Spring.

EML 4304C ECS-MECH/AERO 2(1,3)
Design of Thermo-Fluid Experiment: PR: EML 3303C; CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluid systems with emphasis on project team activity. Spring. M&S fee $45.00
EML 5291 ECS-MECH/AERO 3(3,0) MEMS Materials: PR: EML 5060, EML 6211, or C.I. Introduction to materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS. Even Spring.

EML 5202 ECS-MECH/AERO 3(3,0) Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems: PR: EML 5060, EML 6211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships 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 5402 ECS-MECH/AERO 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 5403 ECS-MECH/AERO 3(3,0) Science and Technology of Fuel Cells: PR: EGM 3365, EMA 4102 or C.I. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. Occasional.

EML 5430C ECS-MECH/AERO 3(2,3) Design for Manufacturing in Turbomachinery: Gas/steam turbine, compressor, and pumps. Occasional.

EML 5431C ECS-MECH/AERO 3(2,3) Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3601, EML 4220 or EML 4225, EGM 3365 or EMA 3706. General assembly of rotating and stationary components in power generation powertrains; probabilistic design, materials, coatings, manufacturing steps, defects for gas/steam/wind turbines and generators. Fall.

EML 5456 ECS-MECH/AERO 3(3,0) Turbines for Sustainable Power: PR: EGM 3001 (EML 3365 or EMA 3706), (EML 3701 or EAS 3101); CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; cost-time-performance trade-offs in design. Spring, Occasional.

EML 5532C ECS-MECH/AERO 3(2,3) Computer-Aided Design for Manufacture: PR: EGM 4332C. Builds on introductory material covered in EML 4332C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Occasional. M&S fee $15.00


EML 5587C ECS-MECH/AERO 3(2,3) Mechanics of Biostuctures I: PR: Graduate standing. Focus on biostuctures; mechanical analysis of rigid (bone) and soft (organs, connective tissues, etc.) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MECH/AERO 3(2,3) Mechanics of Biostuctures II: PR: EML 5587. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.


EML 5761C ECS-MECH/AERO 3(3,0) Applied and Computational Biofluids: PR: EML 4304C, EML 4703. Principles and foundations of applied fluid mechanics and computational methods to the human circulation. In addition to case studies, the course provides laboratory experiences in bioengineering with application to biofluid mechanics. Odd Spring.

ENC 1101 CAH-WRITE 3(3,0) Composition I: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Honors content. Essay, and short story writing. Fall, Spring.

ENC 1101H CAH-WRITE 3(3,0) Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and method practices as well as business genres and conventions. Honors content. Occasional.

ENC 1102 CAH-WRITE 3(3,0) Rhetorical Traditions: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

ENC 1102H CAH-WRITE 3(3,0) Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 1241 CAH-WRITE 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports Fall, Spring.

ENC 1241H CAH-WRITE 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or ENC 1102 and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and development of traditional documents for the lay audience. With Honors content. Occasional.

ENC 1250 CAH-WRITE 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102. Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and method practices as well as business genres and conventions. Fall, Spring.

ENC 1250H CAH-WRITE 3(3,0) Honors Writing for the Technical Professional: PR: Consent of Honors. Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and method practices as well as business genres and conventions. With Honors content. Occasional.

ENC 3310 CAH-WRITE 3(3,0) Magazine Writing I: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Honors. Practice in description, narration, exposition and argumentation: tone of mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-WRITE 3(3,0) Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent or C.I. Honors. Rhetorical and historical study, analysis, and writing of essay as reflective exploration and cultural commentary. Fall, Spring.

ENC 3314 CAH-WRITE 3(3,0) Writing in the University: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Study and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0) Argumentative Writing: PR: Grade of C (2.0) or better required in ENC 1102. Students will analyze current issues, assess other arguments, and construct various types of arguments, including visual and multimedia. Fall, Spring.

ENC 3330 CAH-WRITE 3(3,0) Rhetorical Traditions: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent or C.I. Rhetorical and historical study, analysis, and writing of essay as reflective exploration and cultural commentary. Even Spring.

ENC 3331 CAH-WRITE 3(3,0) Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

ENC 3331H CAH-WRITE 3(3,0) Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 3351 CAH-WRITE 3(3,0) Writing for Publication: PR: Grade of C (2.0) or better required in ENC 1102. Examine freelance markets, article genre, and the rhetorical skill needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.
ENC 4434 CAH-WRITE  3(3,0)
Visual and Material Rhetorics: PR: "C" (2.0) or better in ENG 1102. Study of visual and material textual elements within different historical and contemporary rhetorical practices and performances. Students will use a variety of compositional materials to produce texts. Occasional.

ENC 4504 CAH-WRITE  3(3,0)
Contemporary Composition Theory: PR: "C" of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE  3(3,0)
Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE  3(3,0)
Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 4944 CAH-WRITE  3(3,0)
Writing Internship: PR: Junior standing and ENC 3331 and 3836. Training and practice in professional and/or civic writing through approved internship with business or organization; involves reporting and reflecting on experience. Fall.

ENC 4950 CAH-WRITE  0(0,0)
Writing ePortfolio: PR: "C" or better in ENC 1102. Student must have completed at least 9 hours toward the Minor in Writing & Rhetoric or at least 6 hours toward the Certificate in Public and Professional Writing. In the term they are graduating, students in Writing & Rhetoric minor or Public & Professional Writing Certificate revise their writing e-portfolio according to program requirements, and submit for approval. 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-WRITE  3(3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-WRITE  3(3,0)
Theory and Practice of Tutoring Writing: PR: Admission to the M.A. in Rhetoric and Composition program, graduate standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Fall.

ENC 5337 CAH-ENG  3(3,0)
Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-WRITE  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 process and classroom instruction. Spring.

ENC 5930 CAH-WRITE  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 Grade of "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.

ENG 3073 CAH-ENG  3(3,0)
Cultural Studies Literature: PR: Grade of "C" (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies." Occasional.

ENG 3612 CAH-ENG  3(3,0)
Trends in Literary, Cultural, and Textual Studies: PR: Grade of "C" (2.0) or better in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be in the degree program a maximum of 2 times only when course content is different. Occasional.

ENG 3817 CAH-ENG  3(3,0)
Digital Archives: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examines "debates" in the digital humanities and prepares students to work with the creation, management, and preservation of digital archives content. Occasional.

ENG 3833 CAH-ENG  3(3,0)
Marketing Your Writing: PR: "C" (2.0) or better in ENC 1102 or C.I. Exploration of writing markets and publishing opportunities, submission processes, and author marketing and negotiation strategies. Spring.

ENG 3836 CAH-WRITE  3(3,0)
Professional Lives and Literary Practices: PR: "C" (2.0) or better in ENC 1102. Study of technology-assisted professional writing and literary practices around knowledge management work in organizations and communities. Fall, Spring.

ENG 4114 CAH-ENG  3(3,0)
Literature and Film: PR: Grade of "C" (2.0) or better required in ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG  3(3,0)

ENG 5009 CAH-ENG  3(3,0)
Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 6220 CAH-ENG  3(3,0)
English Literature I: PR: Grade of "C" (2.0) or better required in ENC 1102. Beowulf to 1776. Fall, Spring.

ENG 6222 CAH-ENG  3(3,0)
English Literature II: PR: Grade of "C" (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.

ENG 6226 CAH-ENG  3(3,0)
Black British Literature: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENG 4501 CAH-ENG  3(3,0)
English Novel: PR: Grade of "C" (2.0) or better required in ENG 3014. Analysis of major English novelists. Occasional.

ENG 4220 CAH-ENG  3(3,0)
English Renaissance Poetry and Prose: PR: Grade of "C" (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lily & others. Occasional.

ENG 4230 CAH-ENG  3(3,0)
18th Century Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. Occasional.

ENG 4240 CAH-ENG  3(3,0)
English Romantic Writers: PR: Grade of "C" (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENG 4253 CAH-ENG  3(3,0)
The Victorian Age: PR: Grade of "C" (2.0) or better required in ENG 3014. Key issues and authors of the Victorian age (1837-1901) covering fiction, poetry, and nonfiction prose. Occasional.

ENG 4262 CAH-ENG  3(3,0)
Nineteenth Century British Prose: PR: Grade of "C" (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENG 4273 CAH-ENG  3(3,0)
Modern British Literature: PR: Grade of "C" (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENG 4303 CAH-ENG  3(3,0)
British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENG 4311 CAH-ENG  3(3,0)
Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENG 4333 CAH-ENG  3(3,0)
Shakespeare Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare’s plays. Occasional.

ENG 4341 CAH-ENG  3(3,0)
Milton and His Age: PR: Grade of "C" (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENT 3613 BA-MAN  3(3,0)
Entrepreneurial Management: PR: Sophomore Standing. Discovering and assessing opportunities, creating solutions, and formulating sustainable business models necessary to deliver benefits to society and markets. Fall.

ENT 4013 BA-MAN  3(3,0)
New Venture Design: PR: Junior standing. Applied course which focuses on the creation, evaluation, development and launch readiness of a new business or social venture. Fall, Spring.

ENT 4014 BA-MAN  3(3,0)
New Venture Implementation: PR: ENT 4013. Develops procedures by which startup businesses can implement a well-researched business model by planning standard business functions necessary to launch the venture. Fall, Spring.
ENT 4183 BA-MAN 3(3,0)  

ENT 4412 BA-FIN 3(3,0)  
Managing Small Business Finances: Course surveys the financial issues faced by small businesses. Focuses on financial concepts and issues facing small firms in a variety of industries. Fall, Spring.

ENT 4503 BA-MAN 3(3,0)  
Social Entrepreneurship: PR: Junior standing. Emphasis on understanding how social entrepreneurs effect change in poor communities in the developing world. Fall, Spring.

ENT 4942 BA-MAN 3(0,3)  
Entrepreneurial Internship: PR: Junior standing, application approval, and consent of Management Department. Supervised, entrepreneurial-related work experience in a sponsoring organization. See tent certificate Department for information. Application required. Fall, Spring.

ENV 3001 ECS-CECE 3(3,0)  
Introduction to Environmental Engineering: PR: A grade of "C" (2.0) or better in MAC 2233 and in CHM 2045 or in CHS 1440 or in CHM 2041. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. Occasional.

ENV 4120 ECS-CECE 3(0,3)  
Air Pollution Control: PR: EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. Air pollution engineering including air resources management, engineering design, and operation of air pollution control systems. Occasional.

ENV 4122C ECS-CECE 3(2,2)  
Air Pollution Control Design: PR: ENV 4120 with grade of "C" (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. Spring.

ENV 4300C ECS-CECE 3(2,2)  
Solid Waste Facility Design: PR: ENV 4341 with grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 3(3,0)  
Solid & Hazardous Waste Management: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4433C ECS-CECE 3(2,2)  
Environmental Engineering Wastewater Design: PR: EES 4112C, ENV 4531 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CECE 3(3,0)  
Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4561 ECS-CECE 3(3,0)  
Environmental Engineering Operations & Processes II: PR: ENV 4531 with a grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.

ENV 4562C ECS-CECE 3(2,2)  
Environmental Engineering Water Treatment Design: PR: EES 4220C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale, potable water treatment plant. Spring. M&S fee $43.00

ENV 5410 ECS-CECE 3(3,0)  
Water Treatment: PR: EES 4220C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactor, oxidation, disinfection, radiation, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.

ENV 5505 ECS-CECE 3(3,0)  

ENV 5517 ECS-CECE 3(3,0)  
Environmental Consulting and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium/kinetic, chemical, and biological processes. Fall.

ENV 5636 ECS-CECE 3(3,0)  

ENV 5804C COS-BIOL 4(2,6)  
General Entomology: PR: A grade of "C" (2.0) or better in both BSC 2010C and BSC 2010C, or C.I. Biome of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $35.00

ENV 5805C COS-BIOL 4(2,6)  
Entomology: PR: Admission to the M.S. in Biology. Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. Occasional. M&S fee $40.00

EPD 5395 ED-CFCS 3(3,0)  
Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.

ESE 3940 ED-TL&L 3-16(0,3-16)  

ESE 4942 ED-TL&L 1(1,0)  
Internship II Seminar: PR: Internship I in the specified discipline. C.I. Internship in the specified discipline. C.I. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TL&L 7-12(0,35)  

ESE 5214 ED-TL&L 3(3,0)  

ESI 4221 ECS-EMS 3(3,0)  
Empirical Methods for Industrial Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Application of empirical methods for industrial engineering problem solving. Fall.

ESI 4234 ECS-EMS 3(3,0)  
Quality Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Basic concepts and techniques of quality assurance systems; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-EMS 3(3,0)  
Operations Research: PR: STA 3032 and MAS 3105 with grades of "C" (2.0) or better in both. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results. Fall.

ESI 4523 ECS-EMS 3(3,0)  
Computer Simulation: PR: STA 3032 with a grade of "C" (2.0) or better. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4628 ECS-EMS 3(3,0)  
Decision Support Systems for Industrial Engineers: PR: STA 3032 with a grade of "C" (2.0) or better and COP 3223C (or any other high level computer programming). Development of complete spreadsheet-based decision support system applications for analyzing and solving real-world IE problems. Fall.

ESI 5219 ECS-EMS 3(3,0)  
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. Fall, Spring.

ESI 5227 ECS-EMS 3(3,0)  
Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Occasional.

ESI 5236 ECS-EMS 3(3,0)  
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-EMS 3(3,0)  
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models, queueing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-EMS 3(3,0)  
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-EMS 3(2,2)  
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Occasional.

ESI 5531 ECS-EMS 3(3,0)  
Reliability: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

ETI 3116 ECS-EMS 3(3,0)  

ETI 3671 ECS-EMS 3(3,0)  

ETI 4116 ECS-EMS 3(3,0)  
Applied Reliability: 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.
ETI 4448  ECS-ECS  3(3,0)
Applied Project Management: PR: Junior Standing; Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Fall.

ETI 4640  ECS-ECS  3(3,0)
Operations Management for Technologists: PR: EUH 3000 or C.I. Scheduling, Work Sampling and MPM are presented. Time Study Methods, Work Sampling and MPM are covered. Fall.

EUH 2000  CAH-HIST  3(3,0)
Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.

EUH 2000H  CAH-HIST  3(3,0)

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 2001H  CAH-HIST  3(3,0)

EUH 3122  CAH-HIST  3(3,0)

EUH 3124  CAH-HIST  3(3,0)
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

EUH 3142  CAH-HIST  3(3,0)
Renaissance and Reformation: PR: EUH 2000 and EUH 2001 or C.I. Influence of Renaissance humanism on art, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Occasional.

EUH 3180  CAH-HIST  3(3,0)
Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed religious life and shaped society and culture in Medieval Europe. Occasional.

EUH 3235  CAH-HIST  3(3,0)
Romanticism and Realism: PR: EUH 2000 and EUH 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism; romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. Occasional.

EUH 3242  CAH-HIST  3(3,0)
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUH 3281  CAH-HIST  3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and EUH 2001 or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.

EUH 3411  CAH-HIST  3(3,0)

EUH 3431  CAH-HIST  3(3,0)
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.
UCF Courses and Descriptions

EUH 5546 CAH-HIST  3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There are no standard syllabuses for each of the topics that are offered. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST  3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5595 CAH-HIST  3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5905 CAH-HIST  3(3,0)
Human Factors and Aging: PR: Graduate standing or C.I. An overview of human factors psychology in the design of displays and controls, machine-environment systems. Topics will include human and psychological variables in perceptual phenomena, human information processing, and the effects of some environmental variables on human performance. Fall, Spring.

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 or post bacc, or senior standing with C.I. An overview of the issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH  3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

FIL 1000 CAH-SVAD  3(3,0)
Film Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-SVAD  3(3,0)
Honors Film Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-SVAD  3(3,0)
Foundations of Film I: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 2030 CAH-SVAD  3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall, Spring.

FIL 2107 CAH-SVAD  3(3,0)
Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2127 CAH-SVAD  3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&G fee $5.00.

FIL 2423 CAH-SVAD  3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in filmmaking. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-SVAD  3(3,0)

FIL 2480 CAH-SVAD  3(3,0)

FIL 2481 CAH-SVAD  3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-SVAD  3(3,0)
Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-SVAD  3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-SVAD  3(3,0)

FIL 3070C CAH-SVAD  3(3,1)
Avant Garde Cinema I: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-SVAD  3(3,1)
Avant Garde Cinema II: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-SVAD  3(3,1)
Film in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-SVAD  3(3,1)
Film in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-SVAD  3(3,1)
Cinema 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-SVAD  3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-SVAD  3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-SVAD  3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

FIL 3115 CAH-SVAD  3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-SVAD  3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone I and II courses. Spring.

FIL 3304C CAH-SVAD  3(3,1)
Documentary Vision: PR: FIL 3303C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-SVAD  3(3,0)
Dociudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-SVAD  3(3,1)
Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring.

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Advanced Documentary Production: FIL 3379C CAH-SVAD 3(3,6) Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.


Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall.

Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

Cinematic Expression: PR: FIL 3003C. Cinephotography using video format; study of fundamentals of multi-media communication, film structure and storytelling. Spring.

Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

Introduction to Animation: PR: DIG 3051 and declared Character Animation specialization or FIL 3705 and declared Experimental Animation specialization, or a minimum grade of "B" (3.0) in DIG 4713 and declared Game Design specialization. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring.

Intermediate Animation: PR: Experimental Animation Character Animation specialization only, FIL 3705, and DIG 4780C, and successful portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Fall, Spring.

Film Theory and Criticism I: FIL 3803C CAH-SVAD 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall.

Film Theory and Criticism II: PR: FIL 3803C and Film BFA, World Cinema, or World Cinema major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

Cinema Directors: PR: FIL 3041, and FIL 3037, or FIL 3037, and Film BFA or Cinema Studies major. Major American filmmaker's style, vision and works; how a major American filmmaker's style, vision and works; how the process of adapting scripts from other sources. The investigation of the legacies of adaptation, analysis of existing models, and written adaptations. Occasional.

Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102. FIL 2030, FIL 3030C. Modes of cinema criticism. Occasional.

The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.


Narrative Structures in Film: PR: FIL 2110 and FIL 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


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

Experimental Cinema I: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

Experimental Cinema II: FIL 3076C. An exploration of specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film-related to treatments of reality and the perception of light. Spring.

Color and Lighting in Cinema: PR: FIL 3035C. Theories related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

Images of Women in Film: PR: FIL 2030. Images of women in film and the key role of the director. Films are analyzed from a social, economic, and historical point of view. Occasional.

Hollywood Cinema: PR: FIL 3035C. This course study Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legacies of adaptation, analysis of existing models, and written adaptations. Occasional.

Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legacies of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

Genre Writing: PR: FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

Feature/TV Writing I: PR: FIL 3076C, or Cinema Studies major, or Cinema Studies minor, or FIL 3115, or C.I. Writing workshop, examination of scriptwriting, and ethics of scriptwriting. Fall.

Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

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FIL 4301C CAH-SVAD 3(1,3)
Documentary Workshop I: PR: FIL 3836C 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-SVAD 3(1,3)
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Fall/Spring.

FIL 4303C CAH-SVAD 3(1,3)
Film Fiction and the Document: PR: LIT 2410, 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 4434C CAH-SVAD 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.

FIL 4436 CAH-SVAD 3(3,0)
Film Theory/Film Production: PR: Junior standing and FIL 1008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

FIL 4451 CAH-SVAD 3(3,0)
Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4453C CAH-SVAD 3(3,2)
Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 3020. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

FIL 4472C CAH-SVAD 3(2,4)
Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee $5.00

FIL 4486C CAH-SVAD 3(3,1)
Directing for Film II: PR: Film BFA major and FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee $5.00

FIL 4487 CAH-SVAD 3(3,0)
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring.

FIL 4535C CAH-SVAD 3(3,1)
Sound Design I: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.

FIL 4536 CAH-SVAD 3(3,0)
Sound Design III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4566C CAH-SVAD 3(3,2)
Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4573C CAH-SVAD 3(1,3)
Capstone II: PR: FIL 4443C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

FIL 4602 CAH-SVAD 3(3,0)
Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4647 CAH-SVAD 3(3,0)
Film Production Management: PR: ENC 1102 and junior standing or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-SVAD 3(3,0)
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-SVAD 3(2,4)
Experimental Animation: PR: "C" (2.0) or better in FIL 3734C and a satisfactory portfolio review or C.I. Exploring individual creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional. M&S fee $15.00

FIL 4740C CAH-SVAD 3(3,1)
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4)
Experimental Animation Workshop: PR: "C" (2.0) or better in FIL 3720C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional. M&S fee $15.00

FIL 4830 CAH-SVAD 3(3,0)
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including major genres, directors, styles, and periods. Occasional. M&S fee $5.00

FIL 4830H CAH-SVAD 3(3,0)
Honors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

FIL 4863C CAH-SVAD 3(3,1)
Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-SVAD 3(3,1)
Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-SVAD 3(3,1)
Current Problems in Film Theory: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-SVAD 3(3,1)
Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5406 CAH-SVAD 3(3,0)
Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-SVAD 3(3,0)
Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-SVAD 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5800 CAH-SVAD 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.
FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303 and FIN 3460, each with a “C” (2.0) or better; open to majors or minors who require this course. Analysis of management policies of financial institutions, including risk management and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303 with a “C” (2.0) or better; open to majors or minors who require this course. Analysis of the interactions of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414 with a “C” (2.0) or better; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 4424 with a “C” (2.0) or better; open to majors or minors who require this course. Mathematical models applied specifically to financial problems, including those models suitable for front representation and solutions on computers. Fall,Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3504, each with a “C” (2.0) or better; open to majors or minors who require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504, each with a “C” (2.0) or better; open to majors or minors who require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,0) Applied Portfolio Management 1: PR: Finance major, FIN 3403 and FIN 3504, each with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity and bond market data, including risk return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4600 with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3.0) International Financial Management: PR: FIN 3403 with a “B” (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond market. Fall, Spring.

FIN 4730 BA-FIN 3(3.0) Senior Financial Consulting I: PR: Finance major; FIN 4303 and FIN 3303, each with a “C” (2.0) or better; CR-FIN 4314, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3.0) Senior Financial Consulting II: PR: Finance major, FIN 4730 with a “C” (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(3,0) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship supervisor. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.0 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. diversity. Occasional.

FLE 4314 ED-TL&L 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4410, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current and instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5531 ED-TL&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. Occasional.

FRE 1100C CAH-LANG 4(3,1) Elementary French Language and Civilization I: PR: Three semesters of French or equivalent. An introduction to French culture through the major linguistic skills of listening, speaking, reading, and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1100C or equivalent. Continuation of FRE 1100C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2210 CAH-LANG 3(3,0) Intensive French Conversation: PR: Year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(0,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(0,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 3440 or equivalent. Vocabularibuilding with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Pronunciation: French phonology, with emphasis on phonetic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on selected topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3760. Reading and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500 CAH-LANG 3(3,0) French Civilization and Culture: PR:FRE 3420. A survey and analyzing development of key elements of French life its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, lectures, films, and other media. Conducted in French. Occasional.

FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college French or equivalent. Introduction to main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: Fre 3440 or C.I. Advanced exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.
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**FRE 4950C**  
French Portfolio: PR: French BA; Senior Standing and C.I. Portfolio application for French majors. The portfolio is part of the final exam and is prepared during tenure at UCF. Fall, Spring.

**FRT 3140**  
French and Francophone Literary Masterworks in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present on a focus on a particular period, genre, or topic. Occasional.

**FRT 3562**  
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

**FRT 4421**  
French Medieval Literature and Culture: PR: FRW 3810. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

**FRW 3100**  
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

**FRW 3101**  
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

**FRW 3370**  
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

**FRW 3740**  

**FRW 3752**  
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.

**FRW 3760**  

**FRW 3770**  
Framophone Literature: PR: FRE 2201. The literature of the Framophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

**FRW 3810**  
French Literary Texts and Analysis: PR: FRE 2201. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

**FRW 4281**  
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Claudel, Ionesco, and Sarraute. Different literary approaches will also be used. Occasional.

**FRW 4324**  
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Claudel, Ionesco, and Sarraute. Different literary approaches will also be used. Occasional.

**FRW 4380**  

**FRW 4440**  

**FRW 4532**  

**FRW 4552**  

**FRW 4820**  
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

**FSS 2221C**  
RChM-FOOD&LODG 4(3,3)  
Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00.

**FSS 2284C**  
RChM-FOOD&LODG 4(3,3)  
Food Preparation for Catered Events: PR: HFT 1000. Basic principles and practice of food preparation and menu development for catered events. Methods and procedures for on- and off-premise catered events. Fall, Spring. M&S fee $70.00.

**FSS 3108**  
RChM-FOOD&LODG 3(3,0)  
Culture and Cuisine: PR: HFT 1000 and FSS 2221C. The major historical and geographical developments that have affected the creation of the cuisines of the world. Occasional. M&S fee $35.00.

**FSS 3124**  
RChM-FOOD&LODG 3(3,0)  
Supply and Procurement Management: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Fall, Spring. M&S fee $45.00.

**FSS 3223C**  
RChM-FOOD&LODG 1(1,3)  
Foodservice Operations Management: PR: HFT 1000 and FSS 2221C. An integrated approach that combines theory and application in providing students the opportunity to practice their skills in menu planning, food preparation, and customer service. Laboratory class. Occasional. M&S fee $70.00.

**FSS 4135**  
RChM-FOOD&LODG 3(3,0)  
Corporate Contract and Managed Services Organizations: PR: HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodification, purchasing, pricing, and revenue management. Occasional.

**FSS 4286C**  
RChM-FOOD&LODG 3(1,3)  
Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00.

**GEA 4405**  
CAH-LAS 3(3,0)  
Geography of Latin America: PR: ENC 1152 or C.I. Geography of Latin America and the Caribbean, including geographical, cultural, economic, and social characteristics and processes. Occasional.

**GEB 1091C**  
BA-MAN 2(1,0)  
Foundations of Business: PR: MAR 3025. Develops each student's ability to make a persuasive one-on-one or small group presentation, that is designed to invoke action by either the individual or small group. Fall, Spring.

**GEB 2350**  
BA-MAR 3(3,0)  
Executive Research & Planning: PR: Admission to the College of Business. Designed to provide a basic understanding of the importance of career professionalism in today's competitive business environment. The course focuses on self-awareness and career research and planning. Fall, Spring.

**GEB 3005**  
BA-MAN 1(1,0)  
Career Search Strategy: PR: GEB 3003. Provides a basic understanding of the importance of career professionalism in today's competitive business environment. The course focuses on personal branding, marketing and career search strategies. Fall, Spring.

**GEB 3031**  
BA-MAN 3(3,0)  
Integrated Business Foundations: PR: Junior standing. Provides opportunity to utilize core competencies of team work, communication, and creative decision making through a hands on, small business consulting or problem solving engagement. Fall, Spring.

**GEB 3031L**  
BA-MAN 1(0,2)  
Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

**GEB 3375**  
BA-FIN 3(3,0)  
Introduction to International Business: PR: Senior standing and ACG 3071, ECO 2013 and ECO 2025, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

**GEB 3375H**  
BA-FIN 3(3,0)  
Honors Introduction to International Business: PR: Senior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2025, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

**GEB 4004**  
BA-MAN 1(1,0)  
Executing Your Career Plan: PR: GEB 4223. Coaches provide recommendations throughout the career search process, and help implement the career plan developed during the previous three career development courses. Fall, Spring.

**GEB 4111**  
BA-MAN 3(3,0)  
New Venture Finance: PR: or CR: MAN 4802. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. Fall, Spring.

**GEB 4223**  
BA-MAN 1(1,0)  
Business Interviewing Techniques: PR: GEB 3005. Develops each student's ability to make a persuasive one-on-one or small group presentation, that is designed to invoke action by either the individual or small group. Fall, Spring.

**GEB 4374**  
BA-FIN 3(3,0)  

**GEB 4435**  
BA-MAN 3(3,0)  

**GEB 4513**  
BA-MAN 3(3,0)  
Applied Business Technologies: PR: MAN 3025 and MAR 3023, each with a grade of "C" (2.0) or better, and integrated Business major. An integrative examination of the current business technologies and their impact on individuals, businesses, and society. Fall, Spring.
GEB 4522 BA-BA 3(3,0) Data Driven Decision Making: PR: GEB 4513. Using public and private data to inform and drive business decision making and includes issue identification, feasible solution generation, optimal decision selection, performance tracking, and persuasive writing. Fall, Spring.

GEB 4824 BA-BA 3(3,0) Business Law in Sport & Entertainment: PR: SPB 3003 with a C+ (2.0) or better. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Occasional.

GEB 4934 BA-BA 0(0,1) Current Topics in Business Administration: PR: AR 4002 and C.I. Guest lectures discussing current topics that impact business in the Central Florida, state, national, and international business environments. Fall, Spring.

GEB 5516 BA-MAN 3(3,0) Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategic aspects of technology transfer and development. Occasional.

GEB 5941 BA-BA 1.5(1.5,0) Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 COS-POLS 3(3,0) Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 COS-POLS 3(3,0) Resource Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0) World Political Geography: PR: ENC 1102 or POS 2041 or C.I. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(4.1) Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduction to the German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1120C CAH-LANG 4(3,1) Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1121C CAH-LANG 4(3,1) Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121C CAH-LANG 4(4.1) Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1125C, with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1) Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1) Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0) Intensive German Conversation: PR: GER 1121C or C.I. Pratical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240 CAH-LANG 3(3,0) German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270 CAH-LANG 6(6,0) Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0) Modern German Civilization A/B: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG 3(3,0) Germany - Past to Present: PR: GER 3780 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 influence they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2,0) Modern German Civilization A/B II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG 3(3,0) Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3440 CAH-LANG 3(3,0) Business German I: PR: GER 2200. Introduction to German language and practices. Occasional.

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 pronunciation and enunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0) German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0) Advanced German Grammar: PR: GER 3760 or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0) Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0) Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

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 examines 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 romanticism. Occasional.

GEW 3001 HPA-SOWK 3(3,0) Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEW 5007 CON-NURS 3(3,0) Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEW 5600 ED-CFCS 3(3,0) Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from a multidisciplinary and multidisciplinary approach spanning the sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2) GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

GIS 4301C UGST-INTERDISC 3(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 optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0) Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, plate tectonics, mountain building, metal ore deposits, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-SVAD 3(2,4) Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. This course introduces the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee $15.00.

GRA 2101C CAH-SVAD 3(2,4) Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students given the major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring.
and representational illustration using various media and techniques. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HFT 1000 RCHM-HSP SERV 3(2.4) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 2220 RCHM-HSP SERV 3(2.4) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.
Exploration of the principles of brand management for
and other investment decision factors.

Management of Gaming Enterprises: PR: Junior standing. An in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

Foodservice Marketing, Sales, and Distribution: PR: HFT 3260, Food service marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

History and Culture of Wine: PR: Minimum age of 21 and a History course or C.I. The role that wine has played in the student with the culture, and religion of diverse civilizations. Occasional. M&S fee $70.00

Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

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.

Fine Spirits Management: PR: HFT 1000 and at least 21 years of age. This course is designed to familiarize the student with the production, aroma/taste profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distilled spirits. Occasional. M&S fee $45.00

Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

Advanced Lodging Operations: PR: HFT 2254, HFT 2500, HFT 3431, HFT 3603 and Junior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real life operational situations. Spring.

Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

Hospitality Brand Management: PR: HFT 3252 or HFT 3253, and HFT 2500 and Junior Standing. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. Fall, Spring.
UCF Courses and Descriptions

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: All courses in the Event Management core, or C.I. The development, design, and evaluation of events that meet marketplace needs and expectations. Incorporates a case study approach. Requires event volunteer hours approved by instructor. Fall, Spring. M&S fee $65.00

HFT 4758 RCHM-TEA 3(3,0) Operational Issues in Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.


HFT 4795 RCHM-TEA 3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 3940 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: PR: HFT 1000 and HFT 2750, or C.I. International planning events that take place outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA 3(3,0) Catering Sales Management: PR: HFT 2750, HFT 3523, HFT 3707, and FSS 2284C, or C.I. The catering manager is responsible for managing events that take place on- and off-campus. Fall, Spring.

HFT 4804 RCHM-FOOD&LODG 3(3,0) Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages. Fall, Spring. M&S fee $45.00

HFT 4805 RCHM-FOOD&LODG 3(3,0) Advanced Wine Management: PR: Minimum age of 21, HFT 3893 or HFT 4600C, or C.I. Advanced study of viticulture, enology, and wine regions of the world. Occasional. M&S fee $70.00

HFT 4806 RCHM-FOOD&LODG 3(3,1) Exploring Wines of the World: PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using sensory skills to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Fall, Spring. M&S fee $70.00

HFT 4894 RCHM-FOOD&LODG 3(3,0) International Gastronomy: PR: FSS 2270C, HFT 1000, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Occasional.

HFT 4949 RCHM-RCHM 0-5(0-1,5) Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0) Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of 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 3005, or access to the upper-division limited access HIM program; or C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 2(1,4) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3357, and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention; and release of information. Fall, Spring.

HIM 4226C HPA-HMI 3(5,4) Coding Procedures I: PR: HSC 3357 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2) Coding Procedures II: PR: HSC 3357 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS; APCs; encoders. Fall.

HIM 4344C HPA-HMI 4(3,2) Health Information Department Management: PR: HIM 3116C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution; space planning. Fall, Spring.

HIM 4508C HPA-HMI 2(2,2) Quality Management: PR: HSC 3357 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4624 HSA 3(3,0) Health Data Management: PR: Acceptance into HIM program or C.I. Health care statistics, data analytics and data usage specific to health informatics and information management will be explored in depth. Spring.

HIM 4656C HPA-HMI 2(2,2) Health Information Management Systems: PR: or CR: HIM 3000. Vitalization of computerized information systems, management and patient care in the health care industry; systems analysis, system design and project management concepts. Fall, Spring.

HIM 4676 HPA-HMI 3(3,0) Professional Development and Issues in Health Information Management: PR: HIM 4344C; HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C HPA-HP 3(1,4) Professional Practice Experience II: PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Transcription; coding; quality improvement; risk management; human resources; utilization; accrediting; and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838 HPA-HMI 5(0,15) Management Affiliation: PR: or CR: HIM 4676 and HIM 4656C. Assignment to a selected health information technology under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIM 5118C HPA-HMI 4(3,1) Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Information Technology or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. Fall.


HIS 3949 CAH-HIST 0(0,8) Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.

HIS 4065 CAH-HIST 3(3,0) Public History: Principles & Techniques: PR: AMH 2020 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. Occasional.

HIS 4070 CAH-HIST 3(3,0) Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. Occasional.

HIS 4150 CAH-HIST 3(3,0) History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.


HIS 4490 CAH-HIST 3(3,0) History of Medicine: PR: AMH 2010 or AMH 2020. The history of medicine and its relationship to culture and society from the Ancient World to the present. Occasional.

HIS 4935 CAH-HIST 3(3,0) Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through independent reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944 CAH-HIST 3(3,0) Internship in Public History: 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 4959 CAH-HIST 0(0,0) History Portfolio: PR: “C” or better in HIS 4150 and Senior standing. In the term they are graduating, History B.A. students revise their portfolio and submit for approval. 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.

HIS 4970H CAH-HIST VAR Historical Honors Undergraduate Thesis: Graded S/U or Letter grade. Occasional.

HIS 5067 CAH-HIST 3(3,0) Introduction to Public History: PR: Graduate status or senior standing or C.I. Examines and discusses the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5083 CAH-HIST 3(3,0) Cultural Heritage Management: PR: Graduate standing. HIS 5067, or C.I. Readings in the debates and issues of international management of cultural heritage and property, including introduction to UNESCO standards. Occasional.

UNIVERSITY OF CENTRAL FLORIDA 490 Undergraduate Catalog 2015-2016
HIS 5095 CAH-HIST 3(3,0) Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. Occasional.

HIS 5925 CAH-HIST 3(3,0) History in the Digital Age: PR: Graduate standing or C.I. Strategies for teaching life skills and health education information for secondary students and college age peers Fall, Spring.

HLP 2701 ED-CFCS 3(3,0) Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers Fall, Spring.

HSA 3012 HPA-HP 3(3,0) Issues & Trends in Public Health: PR: Sophomore standing and (CGS 1060C or CGS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. Occasional.

HSA 3104 HPA-HMI 3(3,0) Health Services Administration Cornerstone: PR: HSA 3111 or C.I. Heighten the overall student awareness about the Health Services Administration Field, provide a foundation or framework to guide students through the major Fall, Spring.

HSA 3111 HPA-HP 3(3,0) U.S. Health Care Systems: PR: CGS 1060C or CGS 2100C and Sophomore standing. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3170 HPA-HP 3(3,0) Health Care Finance: PR: HSA majors - PR: HSA 3110 and PR: CGS 2101; non-HSA majors - ACG 2301 and ACG 2701; Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222 HPA-HP 3(3,0) Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. Even Fall, Spring.

HSA 3423 HPA-HMI 3(3,0) Health Law: PR: HSA or HMI major, and HIM 3005, or C.I. Principles of law as applied to the health field, with special reference to health practices and information management. Fall.

HSA 3430 HPA-HMI 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0) Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4180 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HIM program. Management of health care organizations, strategic planning, healthcare economics, and healthcare financial management. Fall, Spring.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. Management of health care organizations including hospitals, long term care facilities, and medical group practices. Fall.
### UCF Courses and Descriptions

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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
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<td>HPA-HP</td>
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<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
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<td>HPA-HP</td>
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<td>HSC 4553</td>
<td>Concepts in Pathophysiological Diagnosis</td>
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<td>HSC 4555</td>
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<td>HSC 4558</td>
<td>Pathophysiology II</td>
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<td>HSC 4654</td>
<td>Health Care Needs of the Elderly</td>
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<td>HSC 4752</td>
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<td>HSC 4930</td>
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<td>HSC 5317</td>
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<td>HSC 4730</td>
<td>Applied Health Research Methodology</td>
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<td>HPA-HP</td>
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<td>HSC 2210</td>
<td>Latin American Humanities</td>
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<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition I: 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. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2230H</td>
<td>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. Fall, Spring.</td>
<td>3(3,0)</td>
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<td>HUM 2325</td>
<td>Modern Humanities</td>
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<td>HUM 4500</td>
<td>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.</td>
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<td>HUM 4501</td>
<td>Ancient Traditions</td>
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<td>Concepts in Pathophysiological Diagnosis</td>
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HUN 3013 RCHM-FOOD&LODGE 3(3,0)

HUN 5247 HPA-HP 3(3,0)
Principles of Human Nutrition: PR: Admission to Health Professions. M.S. 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.

IDC 5602 GRDST-INTERDIS 3(3,0)
Cybersecurity: A Multidisciplinary Approach: PR: Graduate standing or C.I. Interdisciplinary M&S fundamentals as applied to cybersecurity including operating system installation and administration for hardware, network architectures, configurations, behavioral aspects, organizational continuity planning, security management. Fall.

IDH 1920H BHC-HON 2(2,1)
Honors Symposium I: PR: Permission of Honors, Readings, and discussions, and laboratories covering aspects of scholarship and service learning. Graded S/U. Fall.

IDH 1921H BHC-HON 2(2,0)

IDH 3101H BHC-HON 3(3,0)
Honors Cultural Traditions of India: PR: Consent of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDH 3600H CAH-PHIL 3(3,0)
Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. Fall.

IDH 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of Honors and enrolls. Prerequisite: permission of Honors. Junior standing, and Interdisciplinary Studies major; or C.I. Youth, gender, and power issues in international relations. Fall, Spring.

IDS 4204C ECS-ECS 3(2,2)
Advanced Topics on Energy Sustainability: PR: ECS-ECS 3333. 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&S fee $17.00.

IDS 5127 COM-BSBS 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing, Fundamental theory, design, and practice of imaging bio-imaging techniques used for basic biomedical research applications. Occasional.

INP 3004 COS-PSYCH 3(3,0)
Industrial/Organizational Psychology: PR: PSY 2012. Psychological theories and principles applicable to problems in industrial organizations. Fall, Spring.

INP 3004H COS-PSYCH 3(3,0)

INP 3141C COS-PSYCH 1-3(3,0-9)
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951 COS-PSYCH 3(3,10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: PSY 2012. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Fall.

INP 4380 COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0)
Human-Computer Interaction (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0)
International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting international relations and their application to contemporary global development. Fall, Spring.

INR 3016 COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income-gini gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0)

INR 3253 COS-POLS 3(3,0)
International Politics of Africa: PR: ENC 1102 or C.I. The unique structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.-African relations. Occasional.

INR 4008 COS-POLS 3(3,0)
Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

INR 4011 COS-POLS 3(3,0)
Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.

INR 4030H COS-POLS 3(3,0)

INR 4035 COS-POLS 3(3,0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon South-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy policy within developed and developed countries. Occasional.

INR 4060 COS-POLS 3(3,0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063 COS-POLS 3(3,0)
The Cold War: PR: ENC 1102 or POS 2041 or C.I. Liberal theories of war and peace, racism, gender inequality, economic development and democratization. Spring.

INR 4074 COS-POLS 3(3,0)
Immigration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.

INR 4075 COS-POLS 3(3,0)

INR 4076 COS-POLS 3(3,0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and impact, of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

INR 4083 COS-POLS 3(3,0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.

INR 4084 COS-POLS 3(3,0)
Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. Occasional.

INR 4085 COS-POLS 3(3,0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.
INR 4102 COS-POLS 3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role of US foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Fall.

INR 4104 COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0)
Strategic Weapons and Arms Control: PR: ENC 1102 or POS 2041 or C.I. Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116 COS-POLS 3(3,0)
America's 21st Century Wars: PR: POS 2041 or C.I. The causes, conduct, and consequences of the US wars in Iraq and Afghanistan. Occasional.

INR 4223 COS-POLS 3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0)
The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparted. Occasional.

INR 4243 COS-POLS 3(3,0)
International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4304 COS-POLS 3(3,0)
Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4333 COS-POLS 3(3,0)

INR 4335 COS-POLS 3(3,0)
Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS 3(3,0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS 3(3,0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4364 COS-POLS 3(3,0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of covert and reliability operations, and issues of cooperation and coordination. Spring.

INR 4401 COS-POLS 3(3,0)
International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, nationality, and war. Fall.

INR 4404 COS-POLS 3(3,0)
Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502 COS-POLS 3(3,0)
International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.

INR 4603 COS-POLS 3(3,0)
International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Fall, Spring.

INR 4714 COS-POLS 3(3,0)
Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. Occasional.

INR 4744 COS-POLS 3(3,0)
Military in World Politics: PR: POS 2041, or INR 2002, or C.I. Civil-military relations and its relevance to international relations and comparative politics. Occasional.

INR 4764 COS-POLS 3(3,0)
Cyberwarfare Policy: PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.

INR 4765 COS-POLS 3(3,0)
Emerging Space Powers: PR: POS 2041, or C.I. Examination of states' efforts to develop space technologies for purposes of economic, social and military development. Occasional.

INR 4774 COS-POLS 3(3,0)
Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Politics and policymaking involved in military and international policies economic and military. Occasional.

ISC 2054 COS-MATH 1(2,0)
STEM Seminar I: PR: Admission to an ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.

ISC 2055 COS-MATH 1(2,0)
STEM Seminar II: PR: Admission to ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. Spring.

ISC 2215 COS-MATH 1(3,0)
Interdisciplinary Applications of Calculus I: CR: MAC 2311C. Interdisciplinary applications of differential and integral calculus topics in MAC 2311C to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216 COS-MATH 1(3,0)
Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ITA 1120C CAH-LANG 4(3,1)
Elementary Italian Language and Civilization I: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200 CAH-LANG 3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, diplomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201 CAH-LANG 3(3,0)
Intermediate Italian Language and Civilization III: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. 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)

ITA 3472 CAH-LANG 3(3,0)

ITA 3564 CAH-LANG 3(3,0)
Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1920s through today) through literature, film, and mass media. Spring.

ITA 3760 CAH-LANG 3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280 CAH-LANG 3(3,0)

ITT 3443 CAH-LANG 3(3,0)

ITT 3480 CAH-LANG 3(3,0)
Italian Literature in Translation: PR: ITA 2201 or C.I. Main literary tendencies and authors of Italian literature. Occasional.

ITT 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.

ITW 3373 CAH-LANG 3(3,0)
The Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.

JOU 2100C COS-COMM 3(3,1)
Newsroom Reporting: PR: Com certifying, Journalism Majors, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall, Spring.
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JOU 3004 COS-COMM 3(3,0)
History of American Journalism: Development of mass communication, innovators, and media's role in nation's history. Fall, Spring.

JOU 3015 COS-COMM 3(3,0)
Principles of Journalism: PR: Either SPC 1908, SPC 1603C, COM 1000, or C.J. Introduces principles of the journalism industry and lays the foundation for other upper-level journalism courses. Fall, Spring.

JOU 3101 COS-COMM 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor and a minimum grade of "C" (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring.

JOU 3130 COS-COMM 3(3,0)
In-Depth Reporting: PR: Journalism major and JOU 2100C or C.J. Writing with analysis, using detail, description, and demographics. Occasional.

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Spring.

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Meet grammar proficiency requirement with "A" or higher in ENC 1101 and ENC 1102, or complete Grammar Proficiency test. Editing copy, writing headlines, managing newsroom operations. Fall, Spring.

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Journalism minor, a minimum grade of "C" (2.0) in JOU 2301, and a minimum grade of "C" (2.0) in JOU 2100C. Practical aspects of editing. Occasional.

JOU 3301 COS-COMM 3(3,0)
Journalism Readings: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.J. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

JOU 3310 COS-COMM 3(3,0)
Social Media Writing for Magazines: PR: JOU 2100C or PRR 3100. Social media writing for traditional magazines and journalism-based "zines." Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Covering sports for the media; issues, principles, and practices. Occasional.

JOU 3350 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current trends. Fall.

JOU 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.J. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in JOU 2100C and a minimum grade of "C" (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Occasional.

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in print and media. Occasional.

JOU 4310C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

JOU 4306C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4340C COS-COMM 3(3,0)
Online Journalism I: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.

JOU 4341C COS-COMM 3(1,3)
Online Journalism II: PR: JOU 4340C. Study, design, and development of online journalism materials. Occasional.

JOU 4342C COS-COMM 3(2,1)
Multimedia Journalism: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 3201. MMC 3200, and Senior standing. Combining print and electronic technologies to transmit information to the public. Fall, Spring.

JOU 4447 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Magazine production, including writing and editing skills, and editorial requirements. Spring.

JOU 4700 COS-COMM 3(3,0)

JOU 4958 COS-COMM 4(4,0)
Senior Capstone in Journalism: PR: JOU 3101, JOU 4340, or JOU 4342, or C.J. Advanced techniques in multimedia news gathering and reporting for a daily web publication as part of a capstone experience in journalism. Fall, Spring.

JPN 1120C CAH-LANG 3(3,0)
Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall.

JPN 1121C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. Spring.

JPN 2200 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall, Spring.

JPN 2201 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0)
Literature in Translation: A survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel. Occasional.

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.J. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3149 CAH-JUD 3(3,0)
Judaism and Jesus: PR: ENC 1102 or C.J. Examines the implications of the "historical Jesus" and early Christianity on the Jewish people, particularly late antiquity and the Second Jewish Commonwealth. Occasional.

JST 3180 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.J. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernity in the 18th and 19th centuries. Occasional.

JST 3401 CAH-JUD 3(3,0)
Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD 3(3,0)

JST 3415 CAH-JUD 3(3,0)
UCF Courses and Descriptions

JST 3417 CAH-JUD 3(3,0)
Sephardic Jew History, Culture, and Folklore: PR: ENC 1102. Study of Sephardic Jews (Jews originated from Spain) as dispersed in Europe and the Middle East following the Expulsion from Spain in 1492. Even Spring.

JST 3424 CAH-JUD 3(3,0)

JST 3450 CAH-JUD 3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from life under Jewish law to life in Europe, America and pre-state Israel. Occasional.

JST 3461 CAH-JUD 3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borwitz, Solovitchik, within the historical context of European immigration to the U.S. Occasional.

JST 3510 CAH-JUD 3(3,0)
Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. Occasional.

JST 3550 CAH-JUD 3(3,0)
Introduction to Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3551 CAH-JUD 3(3,0)
The Holy and the Profane: The Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. Examines cultural, religious, and social processes from traditional Judaism to the beginning of secularism in 19th-20th century European Jewry by studying Hebraic & Jewish Enlightenment. Occasional.

JST 3620 CAH-JUD 3(3,0)

JST 3701 CAH-JUD 3(3,0)

JST 3751 CAH-JUD 3(3,0)

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)

JST 3820 CAH-JUD 3(3,0)
Modern Israeli Culture: PR: ENC 1102. Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

JST 3821 CAH-JUD 3(3,0)
Building a Nation - The Challenges and Accomplishments of the State of Israel: PR: Grade of UC (2.0) or better in ENC 1102 or C.I. Development of Israel as a nation, including elements of nation building, the role of religion, culture, science, hi-tech and higher education. Occasional.

LAE 3414 ED-TL&L 3(3,0)
Literature for Children: PR: Admission to 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-TL&L 3(3,0)
Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school: organizing for instruction. Fall, Spring.

LAE 3420 ED-TL&L 3(3,0)
Teaching Writing in Middle and High School: PR: EDG 4410 or C.I. CPR: LAE 4360 and LAE 3940. 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 3460 ED-TL&L 3(3,0)
English Instructional Analysis: PR: EDG 4410. Effective teaching from pre-Columbian times to the present. Occasional.

LAE 5295 ED-TL&L 3(3,0)
Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent literature and literature for special needs children, with a focus on special needs education. Fall.

LAE 5337 ED-TL&L 3(3,0)
The Colonial period. PR: EUH 2000 and EUH 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from pre-Columbian times to the present. Occasional.

LAH 3130 CAH-HIST 3(3,0)

LAH 3200 CAH-HIST 3(3,0)
Modern Latin America: PR: WOH 2022. The broader themes of Latin American history from independence to the present. Occasional.

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EUH 2000 and EUH 2001 or C.I. A survey of Mexican and Central American history from pre-Columbian times to the present. Occasional.

LAH 3470 CAH-HIST 3(3,0)

LAH 4136 CAH-HIST 3(3,0)
Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.

LAH 4461 CAH-HIST 3(3,0)

LAH 4480 CAH-HIST 3(3,0)

LAH 4503 CAH-HIST 3(3,0)
History of South America: PR: WOH 2022 or C.I. History of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. Occasional.

LAH 4512 CAH-HIST 3(3,0)

LAH 4630 CAH-HIST 3(3,0)
History of Modern Brazil: PR: WOH 2022 or C.I. Major themes of the history of modern Brazil (ca. 1750-present). Occasional.

LAH 4742 CAH-HIST 3(3,0)
The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

LAH 4780 CAH-HIST 3(3,0)
MAC 1140H COS-MATH 3(3,0) Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better, 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. Occasional.

MAC 2147 COS-MATH 5(5,0) Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0) Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2223 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0) Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114C with a C (2.0) or better, or C.I. Senior calculus course. Applications of calculus to engineering technology. Not open to students with credit in MAC 2223 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH 4(3,2) Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1114 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2311 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1114 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. 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 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. 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 2312H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or 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. Spring.

MAC 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 3(3,0) Introduction to Combinatorics: PR: MAC 2312, and either MIF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAC 4301 COS-MATH 3(3,0) Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity, traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAC 4934 COS-MATH 3(3,0) Topics in Discrete Mathematics: PR: MAC 3101 or either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAC 5205 COS-MATH 3(3,0) Graph Theory I: PR: MAC 4203, graduate standing or C.I. Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory. Odd Spring.

MAC 2801 ED-TL&L 3(3,0) Elementary School Mathematics: PR: MAC 1105C or MIF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, and either MHF 3302 or COT 3100C, or C.I. Basic content. Spring.

MAC 3310 ED-TL&L 3(3,0) Elementary Mathematics for Teaching I: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAC 3311 ED-TL&L 3(3,0) Elementary Mathematics for Teaching II: PR: MAC 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAC 3400 ED-TL&L 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: ECS 4461, ECC 4407, CR EDE 3942. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAC 4326 ED-TL&L 3(3,0) How Children Learn Mathematics: PR: MAC 3310 and EDG 3311. CR: EDE 3942. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAC 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 4461 and MAC 4364. CR: MAC 3364. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAC 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6415 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESL, and manipulatives is considered. Occasional.

MAC 5336 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. Required special methods course for mathematics E-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAC 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate standing or C.I. Selection of topics will vary. Focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025 BA-MAN 3(3,0) Management of Organizations: PR: Junior standing or C.I. This 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 3025H BA-MAN 3(3,0) Honors Management of Organizations: PR: Junior standing, approved major or minor, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025T BA-MAN 3(3,0) Strategic Human Resource Management: PR: Admissions to the Management major. Provides students with a complete, comprehensive review of the strategic importance of the essential human resource management concepts and techniques for any student majoring in Management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

MAN 3350 BA-MAN 3(3,0) Quality & Productivity Management: PR: GEB 3301, MAN 3025, Management Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. Occasional.

MAN 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.
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MAN 4046 BA-MAN 3(3,0)
Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall, Spring.

MAN 4101 BA-MAN 3(3,0)
Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4143 BA-MAN 3(3,0)
Leadership Development: PR: Admission to the Management major. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall, Spring.

MAN 4209 BA-MAN 3(3,0)
Designing Dynamic Organizations: PR: Admission to the Management major. Explores how innovative organization design represents an important source of competitive advantage for organizations of all types. Fall, Spring.

MAN 4240 BA-MAN 3(3,0)
Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro-macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4320 BA-MAN 3(3,0)
Human Resource Planning and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation, and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4329 BA-MAN 3(3,0)
Business Analytics in Human Resource Management: PR: Admission to the Management major. Processes, methodologies, infrastructure, and current practices used to transform data from many sources into useful information for human resource management and decisions. Fall, Spring.

MAN 4330 BA-MAN 3(3,0)
Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0)
Performance Management: PR: Admission to the Management major. The management of worker performance through the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0)
Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve co-managed labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0)

MAN 4532 BA-MAN 3(3,0)
Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will team with engineering students to obtain hands on experience at solving real world design problems in a team based environment. Fall, Spring.

MAN 4583 BA-MAN 3(3,0)
Project Management: PR: GEB 3031 and MAN 3025. Foundations of project management in assisted business organizations (large/small, manufacturing/strategy for profit, not for profit). Covers all project phases from initiation to termination. 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 and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic, and technological environment. Fall, Spring.

MAN 4720 BA-MAN 3(3,0)
Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403 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 4941 BA-MAN 3(3,0)
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037 BA-MAN 1.5(1.5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2.0)

MAN 5867 BA-MAN 3(3,0)

MAP 2302 COS-MATH 3(3,0)
Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAP 2302 and MAS 3105 or MAS 3106, or C.I. Systems of differential equations, introduction to numerical solutions, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions of differential equations. Occasional.

MAP 2302H COS-MATH 3(3,0)

MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Collection of Research Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0)

MAP 4113 COS-MATH 4(4,0)

MAP 4153 COS-MATH 3(3,0)
Vector and Tensor Analysis: PR: NAS 3105 or NAS 3106, and MAP 2302, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0)
Optimization: PR: MAC 2313, and MAP 2302, and MAS 3105 or MAS 3106, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303 COS-MATH 3(3,0)

MAP 4341 COS-MATH 3(3,0)

MAP 4342 COS-MATH 3(3,0)
Partial Differential Equations II: PR: MAS 3105 or MAS 3106, and MAP 4341. Green's Functions, Integral Transforms, Laplace and Fourier transforms applied to heat, wave and potential equations, Bessel functions, Legendre functions, Fourier-Bessel series, PDEs in higher dimensions, Spring.

MAP 4371 COS-MATH 3(3,0)

MAP 4384 COS-MATH 4(4,0)

MAP 4484 COS-MATH 3(3,0)
Mathematical Biology I: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excultable systems. Occasional.

MAP 4494 COS-MATH 3(3,0)
Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics; protein folding. Occasional.

MAP 4934 COS-MATH 3(3,0)
Topics in Applied Mathematics: PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MAP 5221</td>
<td>Integrated Marketing Communication:</td>
<td>PR: Marketing Minor and MAR 3023 with a grade of &quot;C&quot; (2.0) or better. Focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<tr>
<td>MAP 5011</td>
<td>Entrepreneurial Marketing:</td>
<td>PR: Marketing Minor and MAR 3023 with a grade of &quot;C&quot; (2.0) or better. Focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<td>MAP 5012</td>
<td>Retailing Management:</td>
<td>PR: Marketing Minor and MAR 3023 with a grade of &quot;C&quot; (2.0) or better. Focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<td>MAP 5013</td>
<td>International Marketing:</td>
<td>PR: Marketing Minor and MAR 3023 with a grade of &quot;C&quot; (2.0) or better. Focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<tr>
<td>MAP 5014</td>
<td>Strategic Sales Force Management:</td>
<td>PR: Marketing Minor and MAR 3023 with a grade of &quot;C&quot; (2.0) or better. Focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<tr>
<td>MAP 5015</td>
<td>Advanced Professional Selling:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5016</td>
<td>Marketing Analysis:</td>
<td>PR: Admission to the integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5017</td>
<td>Marketing Strategy:</td>
<td>PR: Admission to the integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5018</td>
<td>Fundamentals of Sales Management:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5019</td>
<td>Healthcare Marketing:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<td>MAP 5020</td>
<td>Product Management:</td>
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<td>MAP 5022</td>
<td>Marketing Analysis:</td>
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<td>MAP 5023</td>
<td>Marketing Strategy:</td>
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<td>MAP 5024</td>
<td>Fundamentals of Sales Management:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<td>MAP 5025</td>
<td>Healthcare Marketing:</td>
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<td>MAP 5026</td>
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<td>Fundamentals of Sales Management:</td>
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<td>MAP 5031</td>
<td>Healthcare Marketing:</td>
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<td>MAP 5032</td>
<td>Product Management:</td>
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<td>MAP 5033</td>
<td>Sales Management:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<td>MAP 5034</td>
<td>Marketing Analysis:</td>
<td>PR: Admission to the integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5035</td>
<td>Marketing Strategy:</td>
<td>PR: Admission to the integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5036</td>
<td>Fundamentals of Sales Management:</td>
<td>PR: Admission to the Integrated major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAP 5037</td>
<td>Healthcare Marketing:</td>
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<tr>
<td>MAP 5038</td>
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<td>MAP 5039</td>
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<td>MAP 5040</td>
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<td>MAP 5041</td>
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<tr>
<td>MAP 5042</td>
<td>Fundamentals of Sales Management:</td>
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<tr>
<td>MAP 5043</td>
<td>Healthcare Marketing:</td>
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<tr>
<td>MAP 5044</td>
<td>Product Management:</td>
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<tr>
<td>MAP 5045</td>
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<tr>
<td>MAP 5046</td>
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<tr>
<td>MAP 5047</td>
<td>Marketing Strategy:</td>
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</table>
MAS 3105H COS-MATH 4(4,0)
Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms; with Honors content. Fall.

MAS 3106 COS-MATH 4(4,0)
Linear Algebra: PR: MTH 3302 and MAC 2312, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MTH 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MTH 3302 and MTH 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: PR: MTH 3306 and MTH 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: MTH 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0)
Algebra I: PR: MAS 4031 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Hölder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: PR: MTH 3011 or C.I. Concepts, techniques, notation, calculator, and applications of algebra. This course is a "bridge course" which may be applied only when course content is different. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MAT 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2111C and CR: MAC 2112 or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2311 and MAP 2302, or either MAS 3105 or MTH 3106, or C.I. MATLAB fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MCS 1000 COS-BSBS 3(3,0)

MCS 1310 COS-BSBS 3(3,0)

MCS 2004C COM-BSBS 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00.

MCS 3020C COM-BSBS 5(3,4)
General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virulence environmental control, ecology, pathogenicity, and laboratory techniques. Fall, Spring. M&S fee $55.00.

MCS 3101C COM-BSBS 4(3,3)
Principles of Infectious Disease: PR: MTH 3302C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines, and antimicrobials. Occasional.

MCS 3202C COM-BSBS 3(3,0)
Pathogenic Microbiology: PR: MTH 3302C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCS 3203C COM-BSBS 1(0,3)
Pathogenic Microbiology Lab: CR: MCS 3202 Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $55.00.

MCS 3316H COM-BSBS 3(3,0)
Honors Biotechnology and Genetic Engineering Seminar: PR: Permission. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors content. Fall. M&S fee $53.00.

MCS 4021 COM-BSBS 3(3,0)
Microbial Stress Response: PR: MTH 3302C. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MCS 4204 COM-BSBS 3(3,0)
Cellular Microbiology: Lab: Host-Pathogen Interactions: PR: MTH 3302C, 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.

MCS 4207 COM-BSBS 3(3,0)
Infectious Processes: PR: MTH 3302C. The infectious process and the response of host cells and tissue to infection. Fall.

MCS 4224 COM-BSBS 3(3,0)
Molecular Biology of Diseases: PR: PCB 3522 or PCB 3023. In-depth knowledge of current advances in the molecular mechanisms underlying human diseases. Topics include autoimmunity, neurodegeneration, aging, drug addiction, obesity, and cancer. Spring.

MCS 4276 COM-BSBS 3(3,0)
Epidemiology of Infectious Diseases: PR: MTH 3302C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCS 4312 COM-BSBS 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCS 4404 COM-BSBS 3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCS 4410 COM-BSBS 3(3,0)
Cellular Metabolism: PR: PCB 3522 or PCB 3023. Basic concepts of the mechanisms that define the functioning and regulation of pyruvate and eukaryotic cell metabolism. Fall.

MCS 4414 COM-BSBS 3(3,0)
Microbial Metabolism: PR: BSC 3403. Interrelationships between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MCS 4503C COM-BSBS 3(3,0)

MCS 4803 COM-BSBS 3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCS 4720 COM-BSBS 3(0,3)
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MCS 4721C COM-BSBS 4(2,4)

MCS 4920C COM-BSBS 3(1,4)
Group-Effect Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCS 4920H COM-BSBS 3(1,4)
Honors Group-Effect Applied Research (GEAR): PR: BSC 3403C and Consent from Honors. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCS 4940 COM-BSBS 0-3(0,3-4)
Methodology in Biomedical Sciences Instruction: PR: MCB 3023L or PCB 3323L, or PCB 3703C or ZOO 3733C or MCB 3020C, and C.I. Reinforces lab techniques; students will also gain experience in teaching by assisting instructors of different biomedical science labs. Fall, Spring.

MCS 5205 COM-BSBS 3(3,0)
Infectious Processes: PR: MCB 3020C of C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCS 5208 COM-BSBS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduating, 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.
communication, and analyze Army values and expected role of the Army, reviews skills pertaining to fitness and duties and responsibilities of officers, organization and examination of social and ethical issues and responsibilities.

Contemporary Media Issues:

Individual Leadership Studies:

Spring.

Basic Leadership:

Effective problem solving; examine the officer experience.

Leadership and Ethics:

Leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MTG 4212

Modern Geometries: PR: MAC 2311C and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4214

Introduction to Differential Geometry: PR: MAC 2313 and MAS 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, Lie derivatives, tangent vector and tangent bundles, Riemannian manifolds. Fall.

MTG 4302

Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 4934

Topics in Topology and Geometry: PR: MAS 3106 or C.I. Advanced topics in geometry and topology. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MTG 5253

Introduction to Differential Geometric: PR: MAC 2313 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative, vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256

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

Composition I: PR: MUC 2104C and Music or C.I. Productivity software, classroom management tools, and practical applications of assessment techniques as applied in the music classroom. Odd Spring.

MUC 2104C

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.

MUC 2106C

Composition IV: PR: MUC 2104C and competency 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.

MUC 3015C

Composition V: PR: MUC 2104C and creativity. Composition 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.

MUC 3210

Composition Recital: CR: MUC 4106C. Cullum public concert of works written while studying Composition IV. Grades SU. Odd Fall.

MUC 4201

Introduction to Music Education: An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2040


MUE 2346

Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440

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

Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460

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

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

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 3333

Music Learning Theory and Assessment: PR: MUE 2400 with grade of "C" (2.0) or better. Learning theory and practical applications of assessment techniques as applied in the music classroom. Odd Spring.

MUE 3353


MUE 3451

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

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 3903

Technology in Music Education: PR: MUE 2400 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

Music Internship I: PR: MUE 3111, MUE 3333, EDG 4410, TAL 4086, EDG 4605 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 4131

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 4331

Secondary Choral Methods I: PR: MUE 2400 with grade of "C" (2.0) or better. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332

Secondary Choral Methods II: PR: MUE 331 with the grade of "C" (2.0) or better. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.
MUH 4218 CAH-MUSIC 1(1,0) Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. Occasional.

MUH 4322 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0) Music of the Baroque: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture during the Baroque period, 1600-1750. Occasional.

MUH 4347 CAH-MUSIC 3(3,0) Music Since 1900: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016 with grade of "C" (2.0) or better. Historical style periods and master artists in jazz music. Spring.

MUH 5326 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0) Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Every Spring.

MUH 5356 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: Graduate standing in C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0) Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American Art Music from c. 1900 to the present. Occasional.

MUH 5665 CAH-MUSIC 3(3,0) Development of Opera: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUH 5816 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: Graduate standing or C.I. Study of major stylistic periods and master artists in jazz music. Odd Fall.

MUL 2100 CAH-MUSIC 3(2,1) Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0) Introduction to Music History and Literature: PR: Music major or C.I. Musical memories and cultures from the Western art music tradition. American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0) Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0) Music of the World: Music in cross-cultural context. Relation of music to religion and society. Fall, Spring.

MUL 2721 CAH-MUSIC 3(3,0) Survey of Latin American Music: Survey of Latin-American and Caribbean music, including musical traditions as well as historical and cultural connections. Occasional.

MUL 3381 CAH-MUSIC 3(3,0) Contemporary Popular Music: PR: MUL 2016 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 2(1,1) Piano Literature I: PR: Major in Music or C.I. Survey of the development of the keyboard literature from the 16th century to the present, with emphasis on technical, formal, and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1) Piano Literature II: PR: MUL 3400. Continuation of MUL 3400. Even Spring.


MUL 3602 CAH-MUSIC 3(3,0) Song Literature: PR: MUL 2016 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0) String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. Odd Spring.

MUL 4438 CAH-MUSIC 3(3,0) Guitar Literature and Pedagogy: PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0) Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.

MUL 4444 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. Even Spring.

MUL 4552 CAH-MUSIC 3(3,0) Band Literature: PR: MUL 1122 and MUL 2014, or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Fall.

MUL 4643 CAH-MUSIC 3(3,0) Choral Literature: PR: "C" (2.0) or better in MUH 3211 and MUH 3212, or C.I. Choral music from its beginnings to the present with consideration of historical perspective, genres, styles, and performance practice, major composers, and representative works. Fall.
MUT 5317 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 3170 with a grade of “C” (2.0) or better. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 5318 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: MUT 5217 with a grade of “C” (2.0) or better. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3,0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5301 CAH-MUSIC 3(3,0) Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status in music education or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th and 21st century. Occasional.

MUT 5445 CAH-MUSIC 3(3,0) Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(0,0) Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1212 CAH-MUSIC 1(0,1) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1213 CAH-MUSIC 1(0,1) Secondary Trombone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1214 CAH-MUSIC 1(0,1) Secondary Euphonium: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in euphonium intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1215 CAH-MUSIC 1(0,1) Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1) Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1) French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1) Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1) Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1) Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1) Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1) French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1) Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1) Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1) Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2(3-1,1) Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
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**MVB 3432 CAH-MUSIC** 2-3(1,1)
*French Horn III:* PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 3433 CAH-MUSIC** 2-3(1,1)
*Trombone III:* PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 3434 CAH-MUSIC** 2-3(1,1)
*Euphonium III:* PR: MVB 2424 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 3435 CAH-MUSIC** 2-3(1,1)
*Tuba III:* PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 4441 CAH-MUSIC** 4(1,1)
*Trumpet IV:* PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 4442 CAH-MUSIC** 4(1,1)
*French Horn IV:* PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 4443 CAH-MUSIC** 4(1,1)
*Trombone IV:* PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 4444 CAH-MUSIC** 4(1,1)
*Euphonium IV:* PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 4445 CAH-MUSIC** 4(1,1)
*Tuba IV:* PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

**MVB 5451 CAH-MUSIC** 2(1,0)
*Trumpet V:* PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

**MVB 5452 CAH-MUSIC** 2(1,0)
*French Horn V:* PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

**MVB 5453 CAH-MUSIC** 2(1,0)
*Trombone V:* PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

**MVB 5454 CAH-MUSIC** 2(1,0)
*Baritone V:* PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

**MVB 5455 CAH-MUSIC** 2(1,0)
*Tuba V:* PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

**MVJ 1213 CAH-MUSIC** 2(1,1)
*Jazz Piano I:* PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 1214 CAH-MUSIC** 2(1,1)
*Jazz Bass I:* PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 1219 CAH-MUSIC** 2(1,1)
*Jazz Drum Set I:* PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 2220 CAH-MUSIC** 2(1,1)
*Jazz Piano II:* PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 2223 CAH-MUSIC** 2(1,1)
*Jazz Guitar I:* PR: MVJ 1213. Continuation of MVJ 1213. 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.

**MVJ 2224 CAH-MUSIC** 2(1,1)
*Jazz Guitar II:* PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 2229 CAH-MUSIC** 2(1,1)
*Jazz Drum Set II:* PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 3230 CAH-MUSIC** 3(1,1)
*Jazz Piano III:* PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 3233 CAH-MUSIC** 3(1,1)
*Jazz Guitar III:* PR: MVJ 2223. Continuation of MVJ 2223. 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.

**MVJ 3234 CAH-MUSIC** 3(1,1)
*Jazz Bass III:* PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 3339 CAH-MUSIC** 3(1,1)
*Jazz Drum Set III:* PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 4240 CAH-MUSIC** 4(1,1)
*Jazz Piano IV:* PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

**MVJ 4243 CAH-MUSIC** 4(1,1)
*Jazz Guitar IV:* PR: MVJ 3233. Continuation of MVJ 3233. 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.
MVK 4640 CAH-MUSIC  2(2,0)
Piano Pedagogy I: PR: MVK 1411 or C.I. Methods, material and teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. Even Fall.

MVK 5451 CAH-MUSIC  2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 5650 CAH-MUSIC  2(2,0)
Piano Pedagogy: PR: Graduate standing in Music of C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. Even Spring.

MVO 5250 CAH-MUSIC  1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC  1(0,1)

MVP 1411 CAH-MUSIC  2(1,1)
Percussion I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVP 2421 CAH-MUSIC  2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVP 3431 CAH-MUSIC  2-3(1,1)
Percussion III: PR: MVP 2421 and 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&S fee $35.00

MVP 3630 CAH-MUSIC  2(2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC  4(1,1)
Percussion IV: PR: MVP 3431 and 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&S fee $35.00

MVP 4541 CAH-MUSIC  2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1211 CAH-MUSIC  1(0,1)

MVS 1212 CAH-MUSIC  1(0,1)

MVS 1213 CAH-MUSIC  1(0,1)

MVS 1214 CAH-MUSIC  1(0,1)

MVS 1216 CAH-MUSIC  1(0,1)

MVS 1411 CAH-MUSIC  2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC  2(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC  2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC  2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC  2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC  2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC  2(1,1)
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC  2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC  2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC  2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC  2(1,1)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC  2(1,1)
Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC  2-3(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC  2-3(1,1)
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC  2-3(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC  2-3(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC  2-3(1,1)
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC  2-3(1,1)
Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4346 CAH-MUSIC  4(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC  4(1,1)
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC  4(1,1)
Bass IV: PR: MVS 3434 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. Fall, Spring.

MVS 4445 CAH-MUSIC  4(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC  2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC  2(1,0)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC  2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC  2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC  2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC  2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVL 1411 CAH-MUSIC  2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVL 1873 CAH-MUSIC  1(0,1)

MVL 2421 CAH-MUSIC  2(1,1)
Voice II: PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVL 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.
MVV 3431 CAH-MUSIC  2-3(1,1)
Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC  4(1,1)
Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4640 CAH-MUSIC  2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 5451 CAH-MUSIC  2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVV 5651 CAH-MUSIC  2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVW 1211 CAH-MUSIC  1(0,1)

MVW 1212 CAH-MUSIC  1(0,1)

MVW 1213 CAH-MUSIC  1(0,1)

MVW 1214 CAH-MUSIC  1(0,1)

MVW 1215 CAH-MUSIC  1(0,1)

MVW 1411 CAH-MUSIC  2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC  2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC  2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC  2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M.S. fee $20.00

MVW 1415 CAH-MUSIC  2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC  2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC  2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC  2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC  2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M.S. fee $20.00

MVW 2425 CAH-MUSIC  2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC  2-3(1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3432 CAH-MUSIC  2-3(1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC  2-3(1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC  2-3(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC  2-3(1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC  4(1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC  4(1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC  4(1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive study of performance skills of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC  4(1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC  2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC  2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC  2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC  2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC  2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 CON-NURS  2(0,1)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5003L CON-NURS  1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological systems and mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5080 CON-NURS  3(3,0)

NGR 5141 CON-NURS  3(3,0)
Pathophysiological Bases for Advanced Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological systems and mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5638 CON-NURS  3(3,0)
Health Promotion: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5660 CON-NURS  3(3,0)
Health Disparities: Issues and Strategies: PR: or CR: Admission to M.S. in Nursing or Doctor of Nursing Practice, Exploration and analysis of concepts in access, utilization, services, outcomes, and status for different U.S., populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.

NGR 5680 CON-NURS  3(3,0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. Fall.

NGR 5720 CON-NURS  3(3,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the role of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NGR 5745 CON-NURS  1(1,0)
Professional Obligations and Activities of Advanced Practice Nurses: PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.
UCF Courses and Descriptions

NUR 3816 CON-NURS 1(1.0) Professional Nurse Seminar: PR: Admission to the BSN program, CR: NUR 3225. The role and function of the professional nurse including professional standards, ethics, and legal and practice issues. Fall, Spring.

NUR 3825 CON-NURS 2(2.0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS 2(2.0) Honors The Role of the Professional Nurse: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.

NUR 3826 CON-NURS 3(3.0) Bioethics in Nursing: PR: Enrolled in School of Nursing or C.I. Concerning human values, legal and ethical questions arising in health care as they relate to nursing. Occasional.


NUR 3936 CON-NURS 3(2.2) International Perspectives of Nursing Practice: Health Care: PR: Enrollment in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3.0) Holistic Nursing: PR: Junior or senior undergraduate standing in nursing, or C.I. Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4178 CON-NURS 3(3.0) Complementary & Alternative Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and alternative therapies (CAM). Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3.0) Genetics and Genomics in Nursing Practice: PR: NUR 3636, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4.0) Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L; 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 three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute 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 4340 CON-NURS 3(3.0) Obesity in Children and Adolescents: Nursing Management: PR: Junior or senior undergraduate standing in nursing, or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

NUR 4493 CON-NURS 3(3.0) Perinatal Loss: Scope and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN Licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3.0) Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or SYG 2000; RN License, or C.I. Critical exploration of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535 CON-NURS 3(3.0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4525L CON-NURS 2(0.6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0.12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634. CR: NUR 4837; 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 3(3.0) Public and Community Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 440L Nursing Practicum; NUR 4637L, Public Health Nursing Clinical Practice for the Community Health Nursing Student, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. 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 440L Nursing Practicum; NUR 4637; NUR 4637L. Concept of professional nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4675 CON-NURS 3(3.0) Issues in Rural Health Care: PR: NUR 3605 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3.0) Principles of Pain Management: PR: Admission to the Nursing Program, RN Licensure, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3.0) Rehabilitation Nursing: PR: Admission to the nursing program, RN Licensure, or C.I. Rehabilitation principles are the principles that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4828 CON-NURS 3(3.0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN or the RN-BSN program, and concurrent enrollment NUR 4945L or NUR 4945L or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on leadership and management applied to health care settings. Fall, Spring.

NUR 4828H CON-NURS 3(3.0) Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3.0) Accelerated Transitioning into Professional Practice as a Leader: PR: or C.R. 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. Examination of health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community Fall, Spring.

NUR 4837H CON-NURS 3(3.0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed first & second semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS 3(3.0) Independent Study: Directed Study, Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3.0) Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0.3) Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded 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 2223; for Basic Program successful completion of the first three semesters; for RN to BSN students: NUR 3905 and RN status or C.I. Introduced to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3.0) Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 CON-BIOL 3(3.0) Oceanography: PR: CHM 245C and CHM 246 or "C" (2.0) or better in BSC 2101C. Biological, physical and chemical oceanography. Occasional.


OSE 3053 OPT-OPT 3(3,0)

OSE 3490 OPT-OPT 3(3,0)
Nonphonophysics: PR: PHY 2049C or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OSE 4240 OPT-OPT 3(3,0)

OSE 4410 OPT-OPT 3(3,0)
Electrooptics: PR: EEE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging, and SPRING.

OSE 4410L OPT-OPT 1(0,3)
Electrooptical Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and their applications. Various optoelectronic applications. SPRING.

OSE 4520 OPT-OPT 3(3,0)

OSE 4520L OPT-OPT 1(0,3)

OSE 4720 OPT-OPT 3(3,0)

OSE 4721 OPT-OPT 3(3,0)
Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. Spring.

OSE 4830 OPT-OPT 3(3,0)
Imaging and Display: PR: EEL 3123C, OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometry, tomography, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.

OSE 4830L OPT-OPT 1(0,3)

OSE 4930 OPT-OPT 2(2,0)
Frontiers of Optics and Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 OPT-OPT 3(3,0)
Senior Design I: PR: OSE 3053 and OSE 4520; CR: OSE 4410 and OSE 4520. Preparation of the technical, communication, and team skills for successful design of optical and photonics systems. Preparation of project proposals for Senior Design II. Fall.

OSE 5051 OPT-OPT 3(3,0)
Senior Design II: PR: OSE 4951. Execution of project design and the completion of the project design in the laboratory and classroom. Emphasis on the impact of the project on public programs, the process of project planning, the impact on the administrative processing of public programs, the role of the project on the society. Fall, Spring.

OSE 5054I OPT-OPT 3(3,0)
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, interference, polarization, coherence, and guided waves. Occasional.

OSE 50512 OPT-OPT 3(3,0)

OSE 5312 OPT-OPT 3(3,0)
Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials. Development of material descriptions and optical properties. Fall, Spring.

OSE 5512 OPT-OPT 3(3,0)
Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 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.

OSE 5630C OPT-OPT 3(2,1)
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5051 or OSE 5630C. Principles of thin film optics and applications to optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0)
Public Administration in American Society: PR: "C" (2.0) or better in POS 2041; and Public Administration major or Leadership Studies minor or Performing Arts Administration minor; and Sophomore standing; or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing; and Public Administration major or declared Leadership Studies Certificate or declared Leadership Studies minor; or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value frameworks to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0)
Urban and Regional Planning: PR: Junior standing; and Public Administration major, or Urban and Regional Planning major, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor; 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: "C" (2.0) or better in POS 2041; Sophomore standing, Public Administration major or Public Administration minor; or C.I. Professional and technical writing for the field of public administration. Fall, Spring.
UCF Courses and Descriptions

PAD 4253 HPA-PUB 3(3,0) Community & Economic Development: PR: Public Administration major or Non Profit minor or Urban Regional Planning major or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0) Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit certificate or Public Administration major or C.I). This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: COHPA major or, and Junior standing, or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Knowledge and skills concerning information technology important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: PR: Either a Public Administration major with a “C” (2.0) or better in PAD 3003 and PAD 3733 or in all PAD common program prerequisites courses, or Public Administration minor with a “C” (2.0) or better in PAD 3003 and PAD 3733, or C.I. Introduction to the design, use, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. This course provides students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB 3-12(0,3-12) Public Administration Internship: PR: Junior Standing and permission by the internship coordinator in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, plans, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 4948 HPA-PUB 3(0,0) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor; and PR or CR: one credit hour of PAD 3930. Supervised internship in a nonprofit minor with a “C” or better in PAD 3003 and PAD 3733 in all PAD common program prerequisites courses, or Public Administration minor with a “C” (2.0) or better in PAD 3003 and PAD 3733 or in all PAD common program prerequisites courses, or Public Administration minor with a “C” (2.0) or better in PAD 3003 and PAD 3733, or C.I. Introduction to the design, use, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics in Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development, and placement of volunteers; volunteer recruitment training; retention and theories of motivation, leadership, ethical issues. Fall, Spring.


PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and community design. A "C" or better in both PCB 3044 and PCB 3053, or C.I. Planning and design of public spaces. Fall.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulations. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Emergency Management and Homeland Security, Certificate in Public Administration, or C.I. Study of government and public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5855 HPA-PUB 3(0,0) Introduction to Public Procurement: PR: Admissions to the Master of Public Administration, or Master of Nonprofit Management, or C.I. Acquisition of knowledge and skills relating to the public procurement process. Occasional.

PAF 2102 HPA-HA 2(0,2) Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAF 4754 HPA-PUB 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1110 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: A “C” (2.0) or better in both PCB 3044 and PCB 3053, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
PCB 3023 COS-BIOL 3(3,0)
Molecular Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3044, and a "C" (2.0) or better in both BSC 2010C and PCB 2011C, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular waste trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 3044 COS-BIOL 3(3,0)
Principles of Ecology I: PR: CHM 2045C or CHM 2041, and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 1(0,3)
Principles of Ecology Laboratory: PR: or CR PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall.

PCB 3063 COS-BIOL 3(3,0)
Genetics: PR: CHM 2046 and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BIOL 3(3,0)
Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0,3)
Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee $22.00.

PCB 3233 COM-BSBS 3(3,0)
Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunotherapy. Fall.

PCB 3233L COM-BSBS 1(0,3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00.

PCB 3354 COS-BIOL 3(3,0)
Tropical Ecology and Conservation: PR: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Geography, ecology, and environmental problems encountered in various tropical ecosystems with particular emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355L COS-BIOL 2(2,0)
Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Intensive, one week field course at an institute of marine science. Diving snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442 COS-BIOL 3(3,0)
Aquatic Ecology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 COM-BSBS 3(3,0)
Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3522H COM-BSBS 3(3,0)
Honors Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Occasional.

Boot Camp Fitness: Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

Beginning Judo: Study and application of basic skills, falling, throwing, ground techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall, Spring.

Intermediate Judo: PR: PEM 2431 or C.I. Study and application of intermediate skills, body and strength conditioning, appropriate protocols and terminology involved in Judo training. Fall, Spring.

Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with conflict resolution and prevention as well as how teachers can protect themselves. Occasional.

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.

Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

Game Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

Coaching Baseball and Softball: PR: Admission to Sport and Exercise program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Occasional.

Coaching Volleyball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

Coaching Basketball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

Coaching Football: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.


Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the exercise Science textbook or Film. Fall, Spring.

Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An introduction to the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent and minimum overall 2.5 GPA. Study of nutrition with focus on the dietary needs for physical activity, exercise, metabolism, and athletic performance in sport and exercise science courses. Fall, Spring.

Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Athletic Training B.S. Program. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.


Nutrition and Metabolism: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Occasional.

Motor Development and Learning: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall, Spring.

Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall, Spring.

Physical Activity & Preventive Medicine: PR: Admission to Sport and Exercise Science program, ZOO 3736C or equivalent and minimum overall 2.5 GPA. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Fall, Spring.

Current Issues & Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.

Fundamental Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program, Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

Kinesiology/Biomechanics: PR: Admission to Sport and Exercise Science program or Coaching Minor, BSC 2010C or equivalent, ZOO 3736C and minimum overall 2.5 GPA. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall, Spring.

Biomechanics of Sport: PR: PHY 2063C or PHY 2048C. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

Functional Kinesiology for Sport and Exercise Science: PR: BSC 2010C or equivalent, ZOO 3736C or equivalent and Admission to Sport and Exercise Science program. Study of functional anatomy and elementary biomechanics. Emphasis placed on analysis of skeletal, muscular and nervous systems and biomechanical factors associated with efficient motor development. Fall, Spring.

Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Counseling administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

Assessment and Evaluation in Exercise Science: PR: Admission to Sport and Exercise Science program or AKM 4111C and minimum overall 2.5 GPA. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

Exercise Prescription for Special Populations: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, AKM 4111C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

Applying Fitness in Sport: PR: ZOO 3736C or ZOO 3726C and PCB 3705 Junior standing: COHPA majors and Health Sciences minors only. Physiological adaptations to exercise, biomechanics, psychology, performance enhancing substances, nutrition, fitness testing procedures, exercise technique, program design, advanced rehabilitation and administration. Spring.
PHI 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. An exploration of Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 2010 CAH-PHIL 3(3,0) Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values: application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 2010H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 2011 CAH-PHIL 3(3,0) Philosophical Reasoning: A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. Occasional.

PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 3101 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for students in philosophy. Fall.

PHI 3033 CAH-PHIL 3(3,0) Philosophy, Religion, and the Environment: PR: Junior standing or C.I. Multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0) Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0) Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic, quantitative systems and axiomatic methods; problems of metatheory, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0) Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.

PHI 3323 CAH-PHIL 3(3,0) Minds and Machines: Philosophy of Cognitive Science: PR: PHI 2010 or C.I. Assumptions underlying research in Cognitive Science. Fall, Odd Fall.

PHI 3451 CAH-PHIL 3(3,0) Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3625 CAH-PHIL 3(3,0) Virtual Ethics: PR: COP 3302C 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 3302C or DIG 2000 or PHI 2947. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0) Family Values: PR: PHI 2010, PHI 2830, PHI 3670, or WST 3015. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.

PHI 3638 CAH-PHIL 3(3,0) Ethical Issues in the 21st Century: PR: PHI 2010 or C.I. Applications of ethical theory and moral problem solving to contemporary issues. Occasional.

PHI 3640 CAH-PHIL 3(3,0) Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3670 CAH-PHIL 3(3,0) Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights and resource; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0) Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3684 CAH-PHIL 3(3,0) Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." Odd Spring.

PHI 3720 CAH-PHIL 3(3,0) Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. Occasional.


PHI 3790 CAH-PHIL 3(3,0) African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.


PHI 3803 CAH-PHIL 3(3,0) Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800. Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.


PHI 4221 CAH-PHIL 3(3,0) Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0) Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0) Philosophies of Embodiment: Mind/Body/ Nature, Space and Time: PR: Senior standing and either PHI 2010, PHI 2011, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophers from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0) Ways of Knowing: PR: PHI 2010 or C.I. Philosophy of language students in approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0) Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0) Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0) Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0) Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0) Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0) Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0) Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior Standing. Ethical issues associated with rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0) Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0) Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the faculty will be selected for philosophical examination. Course is web-enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0) Topics in Philosophy of Mind: PR: PHI 3320. PHI 3322 or PHI 3523 or C.I. Recent debates in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

PHI 5225 CAH-PHIL 3(3,0) Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.
UCF Courses and Descriptions

PHI 5325 PHIL-PHI 3(3,0)
Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 PHIL-PHI 3(3,0)
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Controversial issues in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 PHIL-PHI 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 PHIL-PHI 3(3,0)
Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 PHIL-PHI 3(3,0)

PHI 5622 PHIL-PHI 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on applications in professional fields. Variable content. Fall.

PHI 5634 PHIL-PHI 3(3,0)
Medicine Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 PHIL-PHI 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 PHIL-PHI 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 3100 PHIL-PHI 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 PHIL-PHI 3(3,0)

PHM 3401 PHIL-PHI 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or EOS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.
PHYSICAL ASSESSMENT LAB: PHT 5240L HPA-HP 2(0,4) skills for the treatment of patients with musculoskeletal dysfunction. Spring.

PHT 5241 HPA-HP 2(0,4) Therapeutic Exercises I: CR: Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. Spring.

PHT 5241L HPA-HP 2(0,4) Therapeutic Exercise Lab I: PR: Therapeutic Exercise I Lab. Course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring.

PHT 5240L HPA-HP 2(0,4) Patient Care Skills Lab: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHT 5250 HPA-HP 1(0,2) Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, Fall.


PHT 5718L HPA-HP 1(0,2) Neurological Physical Therapy Lab: CR: Neurological Physical Therapy Lab Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee $30.00.

PHYSICS OF ENERGY AND THE ENVIRONMENT: Fall, Spring.


PHYS 5045 COS-PHYS 4(3,3) College Physics II: PR: PHYS 2053C. Fluids, electricity and magnetism, optics, X-rays, radioactivity. Fall, Spring. M&S fee $15.00

PHY 3310 COS-PHYS 3(0,3) Physics for Engineers and Scientists III: PR: MAC 2313, and PHY 3104. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3310H COS-PHYS 3(0,3) Honors Physics for Engineers and Scientists III: PR: PHYS 2049C, MAC 2313, and consent of Honors. Same as PHY 3310 with honors-level content. Fall.


PHY 3333 COS-PHYS 3(0,3) Electricity and Magnetism I: PR: PHYS 2049C, MAP 2302. Electrostatics, magnetostatics, Lorentz force, current electricity, Maxwell's equations. Fall.

PHY 3513 COS-PHYS 3(0,3) Thermal and Statistical Physics: PR: PHYS 3310. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.


PHY 3802L COS-PHYS 3(1,5) Intermediate Physics Laboratory: PR: PHYS 3101 or C.I. Laboratory work basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3920 COS-PHYS 1(1,0) Frontiers in Physics Research: Colloquia and Public Talks: PR: PHYS 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 3945 COS-PHYS 1(2,0) Physics Pedagogy Seminar: PR: PHYS 2048C or PHYS 2053C. Designed for students serving as learning assistants in the physics department and will help them to integrate educational theory and practice. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

PHY 4012 COS-PHYS 3(0,3) Teaching Introductory Physics: PR: PHYS 3012 or C.I. Students build specialized matter required for teaching introductory physics by reviewing variety of physics concepts integrated with coherent teaching methods. Odd Spring.

PHY 4024 COS-PHYS 3(0,3) ET 3220H COS-PHYS 3(0,3) Physics of Fluids and Biofluids: PR: PHYS 3101, PHY 3323, and MAP 2302, or C.I. Ideal fluids: basic equation of fluid flow, viscous flow, instability and turbulence; thermal and mass transfer in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 4024 COS-PHYS 3(0,3) Electricity and Magnetism II: PR: PHYS 3102. Delectricity, magnetic materials, electromagnetic waves, reflection, complex impedance, statics problems to Laplace's Equation, radiation from an accelerated charge and antenna, special relativity, Spring.

PHY 4424 COS-PHYS 3(3,0) Optics: PR: PHYS 3101 and PHYS 3323. Wave optics, stimulated emission, lasers, transformations, coherence, holography. Occasional.

PHY 4445 COS-PHYS 3(0,3) Lasers: PR: PHYS 3101, MAP 2302, PHYS 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. Occasional.


PHY 5015C COS-PHYS 3(2,2) Physics for Teachers II: PR: Graduate status or senior standing or C.I. “Hands-on” lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5140C COS-PHYS 3(3,2) Ion-Solid Interactions: PR: PHYS 4424 or PHYS 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Occasional.

PHY 5255 COS-PHYS 3(0,3) Physics of Fluids and Biofluids: PR: PHYS 3151, PHYS 3323, and MAP 2302 or C.I. Ideal Fluids: Basic equation of fluid flow, viscous flow, instability and turbulence. Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346 COS-PHYS 3(0,3) Electromagnetics I: PR: PHYS 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5455 COS-PHYS 3(3,0) Modern X-Ray Science: PR: Graduate status or senior standing of C.I. An introduction to the science and applications of modern X-ray systems, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524 COS-PHYS 3(3,0) Statistical Physics: PR: PHYS 3513, STA 3023, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxweil Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

PHY 5606 COS-PHYS 3(3,0) Quantum Mechanics I: PR: PHYS 4005, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5655 COS-PHYS 3(0,3) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.

PHY 5704 COS-PHYS 3(3,0) Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.
UCF Courses and Descriptions

PHYZ 5705 COS-PHYS 1(1,0)
Physics of Graphene and Carbon Nanotubes: PR: PHZ 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. Odd Fall.

PHYZ 5715 COS-PHYS 3(3,0)
Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.

PHYZ 5817L COS-PHYS 1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee $45.00

PHYZ 5846C COS-PHYS 3(3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHYZ 5933 COS-PHYS 3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHYZ 3113 COS-PHYS 3(3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHYZ 3151 COS-PHYS 3(3,0)
dimensions: NANOCOLLOIDS, and Nano Transport. PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHYZ 5045 COS-PHYS 3(3,0)
Attosecond Laser Physics: PR: PHY 5508, PHY 5346, or PHY 4224, or graduate standing or senior standing or C.I. Atto-second optical pulses using both semi-classical and quantum mechanics theories. Illustrative examples of atto-second applications. Odd Spring.

PHYZ 5156 COS-PHYS 3(3,0)
Computational Physics: PR: PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHYZ 5304 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHYZ 5405 COS-PHYS 3(3,0)
Condensed Matter Physics: PR: PHY 4804, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHYZ 5425C COS-PHYS 3(3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHYZ 5432 COS-PHYS 3(3,0)

PHYZ 5437 COS-PHYS 3(3,0)
Nanosurface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHYZ 5445 COS-PHYS 3(3,0)
Nanofabrication using Ion-Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principles of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHYZ 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermionic fusion. Occasional.

PHYZ 5625 COS-PHYS 3(3,0)
General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3014 HPA-LS 3(3,0)
Law and the Legal System: PR: ENC 1102. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall.

PLA 3108 HPA-LS 3(3,0)
Legal Research: PR: or CR: PLA 3014, or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall.

PLA 3155 HPA-LS 3(3,0)
Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall.

PLA 3205 HPA-LS 3(3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and takes the ability to prepare basic pleadings. Fall.

PLA 3277 HPA-LS 3(3,0)
The Law of Torts: PR: or CR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in construction, trial and appeal of torts cases. Fall.

PLA 3306 HPA-LS 3(3,0)
Criminal Law: PR: ENC 1102 and Sophomore standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall.

PLA 3309 HPA-LS 3(3,0)
Criminal Procedure: PR: ENC 1102 and Sophomore standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, court security, identification, trial, and post-trial proceedings. Fall.

PLA 3615 HPA-LS 3(3,0)
Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title protection. Fall, Spring.

PLA 3951H HPA-LS 3(3,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. Interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF’s appellate advocacy/moot court tournament. Fall.

PLA 4020 HPA-LS 3(3,0)
Law and Society: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4022 HPA-LS 3(3,0)
Contemporary Issues in Law: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interplay between state and federal law applications. Topics track current social legal issues. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

PLA 4226 HPA-LS 3(3,0)
Honors Trial Advocacy: PR: (PLA 4010 and Junior Standing) or C.I. Litigation and trials at an advanced level; students must handle a trial from beginning to end. May be repeated for credit. Fall, Spring.

PLA 4240 HPA-LS 3(3,0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. Occasional.

PLA 4263 HPA-LS 3(3,0)
Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS 3(3,0)
The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0)
Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.
PLA 4464  HPA-LS  3(3,0)
Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472  HPA-LS  3(3,0)
Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485  HPA-LS  3(3,0)
Administrative Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process. Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521  HPA-LS  3(3,0)

PLA 4530  HPA-LS  3(3,0)
Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554  HPA-LS  3(3,0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollution, endangered species, and climate change. Odd Fall, Even Spring.

PLA 4583  HPA-LS  3(3,0)
Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.

PLA 4607  HPA-LS  3(3,0)
Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609  HPA-LS  3(3,0)
Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703  HPA-LS  3(3,0)
Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734  HPA-LS  3(3,0)
Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4764  HPA-LS  3(3,0)
Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806  HPA-LS  3(3,0)
Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813  HPA-LS  3(3,0)
Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823  HPA-LS  3(3,0)
Sports Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824  HPA-LS  3(3,0)

PLA 4825  HPA-LS  3(3,0)
Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830  HPA-LS  3(3,0)
World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4834  HPA-LS  3(3,0)

PLA 4843  HPA-LS  3(3,0)
Immigration Law and Policy: PR: PLA 3014, and PR: Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration law and policy. Fall, Spring.

PLA 4861  HPA-LS  3(3,0)
Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864  HPA-LS  3(3,0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910  HPA-LS  3(3,0)
Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935  HPA-LS  3(3,0)
Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587  HPA-LS  3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing, or C.I. Advanced examination and discussion of free speech, copyright, trademark, privacy and public issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

POR 1120C  CAH-LANG  4(3,1)
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C  CAH-LANG  4(3,1)
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200  CAH-LANG  3(3,0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 2201  CAH-LANG  3(3,0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of PORT 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140  CAH-LANG  3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041  COS-POLS  3(3,0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H  COS-POLS  3(3,0)
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content Occasional.

POS 3076  COS-POLS  3(3,0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122  COS-POLS  3(3,0)

POS 3122H  COS-POLS  3(3,0)

POS 3173  COS-POLS  3(3,0)

POS 3182  COS-POLS  3(3,0)
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3182H  COS-POLS  3(3,0)

POS 3233  COS-POLS  3(3,0)
Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234  COS-POLS  3(3,0)
Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235  COS-POLS  3(3,0)
Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.
U CF Courses and Descriptions

POS 325H COS-POLS 3(3,0) Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaign, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3258 COS-POLS 3(3,0) Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Fall, Even Spring.

POS 3272 COS-POLS 3(3,0) Civic Engagement: PR: Jr. standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Fall, Even Fall. Spring.

POS 3273 COS-POLS 3(3,0) Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0) The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0) Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution, understanding dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. An in-depth study of the American political party system, methods of party organization by exploring both classic and contemporary political parties; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0) Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0) Cultural Pluralism and Law: PR: POS 2041. A case study approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. Occasional.

POS 3703 COS-POLS 3(3,0) Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis: Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3703H COS-POLS 3(3,0) Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Discipline-specific research design, research process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

POS 3733 COS-POLS 3(3,0) Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Legal and ethical issues in research design, literature review, research ethics, case studies and case selection; other qualitative methods, such as interview techniques and content analysis. Even Spring.

POS 3949 COS-POLS 0(0,8) Cooperative Education in Political Science: PR: Departmental permission before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4030 COS-POLS 3(3,0) The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

POS 4074 COS-POLS 3(3,0) Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on national and international politics and policies. Occasional.

POS 4142 COS-POLS 3(3,0) Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American metropolitan areas. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0) Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0) Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4244 COS-POLS 3(3,0) Political Socialization: PR: POS 2041 or C.I. Examines acquisition and development of political values, beliefs, attitudes, and opinions; how individuals learn about politics; and influences on political development, behavior and opinion. Occasional.

POS 4284 COS-POLS 3(3,0) Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall. Odd Spring.

POS 4412 COS-POLS 3(3,0) Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0) American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalism of the economy. Fall.

POS 4604 COS-POLS 3(3,0) American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3,0) Political Psychology: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4764 COS-POLS 3(3,0) GIS for Political Analysis: PR: POS 2041 and ENC 1102. Use of mapping and other spatial methods in political science research. Occasional.

POS 4941 COS-POLS 3(0-9,3) Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

POT 3204 COS-POLS 3(3,0) American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century, including liberalism, punitivism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Fall.

POT 3302 COS-POLS 3(3,0) Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POT 4003 COS-POLS 3(3,0) Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Fall.

POT 4025 COS-POLS 3(3,0) Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POT 4054 COS-POLS 3(3,0) Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 COS-POLS 3(3,0) Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Manast, libertarian, and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS 3(3,0) Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.

POT 4109H COS-POLS 3(3,0) Honors Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

POT 4361 COS-POLS 3(3,0) The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0) Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0) Utopias and Dystopias: PR: ENR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0) Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0) Religion and Politics: PR: ENC 1102 or POS 2041 or C.I. Institutional and individual relationships of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.

PPE 3003 COS-PSYCH 3(3,0) Personality Theory and Research: PR: PSY 2012. A survey of theory and research on the development of personality characteristics. Fall, Spring.

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PPE 3003H COS-PSYCH 3(3,0)

PPE 5055 COS-PSYCH 3(3,0)
Personality Theories: PR: Graduate status or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PSYCH 3(3,0)

PSB 3441 COS-PSYCH 3(3,0)
Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focus on pharmacology, neurophysiology and neuropsychology as the foundation of understanding behavior and social consequences of drug use. Spring.

PSB 3842 COS-PSYCH 3(3,0)

PSB 4103C COS-PSYCH 3(2,2)

PSB 4240C COS-PSYCH 4(3,2)

PSB 5005 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism, chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring.

PSC 1121L COS-PHYS 10(2,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee $14.00

PSC 1801 COS-PHYS 3(3,0)

PSY 2012 COS-PSYCH 3(3,0)
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-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 2(2,0)
Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. Fall, Spring.

PSY 3022C COS-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 choice and decision making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PSYCH 4(3,1)
Research Methods in Psychology: PR: PSY 2012, and either STA 2014C or STA 2023, or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.

PSY 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 3302 COS-PSYCH 3(3,0)

PSY 3320C COS-PSYCH 3(2,2)

PSY 3625 COS-PSYCH 3(3,0)
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science claims such as ESP, astrology, psychoanalysis, mind control, and alien abduction. Occasional.

PSY 3630 COS-PSYCH 3(3,0)

PSY 3951 COS-PSYCH 1-9(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: or CR: ARH 2050 or ARH 2051, or any ART prefix course. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4049 COS-PSYCH 1(1,0)
Psychology Capstone: PR: Psychology major and PSY 2012 and Senior Status. Refresh and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. Occasional.

PSY 4215C COS-PSYCH 4(3,2)

PSY 4215C COS-PSYCH 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3203H. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee $20.00

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 4942 COS-PSYCH 3(3,0)
Instructional Experiences in Undergraduate Psychology: PR: PSY 2012 and C.I. Prepares undergraduate students to teach and learn psychology concepts by facilitating learning in pairs or in groups.

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 CPD 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 Policies: PR: ENC 1102 or POS 2041 or C.I. An examination of politics and policy-making issues concerning conservation, pollution and protection of land, air, and water resources. Even Fall.

PUP 3204 COS-POLS 3(3,0)
Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or ENC 1102, or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4209 COS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.I. Public policy and ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.
RTV 3942L COS-COMM 1-3(0-3-9)
Practicum: PR: C.I., RTV Major, and either RTV 3556C, RTV 3228C, or RTV 3531C. Student will serve in some position of responsibility for UCF Weekly News, or C.I. and RTV program, Graded S/U. May be repeated for credit. Occasional.

RTV 4403 COS-COMM 3(3,0)
Electronic Media, Technology, and Society: PR: PR: RTV 3007, or C.I. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0)
Sports Programming in Electronic Media: PR: Either SP 1000, SP 1000, RTV 3007, or C.I. Coordinators that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

RTV 4505 COS-COMM 3(2,1)
Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program formats, the integration of digital resources, and their effects on the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4544 COS-COMM 4(4,0)
Advanced Studio Production: PR: RTV 3007, RTV 3534C, and RTV 3263. Students will learn and apply advanced techniques in production and directing television programming and video projects both in-studio and on-location. Fall, Spring.

RTV 4557C COS-COMM 3(2,1)
Audio Production II: PR: RTV 3066 and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00.

RTV 4561C COS-COMM 3(2,1)
Radio Production and Programming: PR: RTV 3511 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 4591C COS-COMM 3(2,1)

RTV 4592C COS-COMM 3(2,1)
Webcasting II: PR: PR: RTV 4591C and RTV Major. Production of digital content with other broadcast 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 4673C COS-COMM 3(2,1)
Television Directing: PR: RTV 3534C, RTV 3531C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic writing and composition. Students should expect significant work in the RTV lab facility of class. Fall. M&S fee $30.00.

RTV 4681C 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 decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall. Spring. M&S fee $20.00.

RTV 4682C COS-COMM 3(2,1)
Advanced TV News: PR: RTV 4681C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0)
Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0)
Broadcast Management: PR: RTV Majors only. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.

RUS 1121 CAH-LANG 4(4,1)

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 Communication: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0)
Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

RUS 3505 CAH-LANG 3(3,0)
Russian Culture and Civilization: PR: ENGL 1102 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

SCE 3460 ED-TL&L 4(4,0)

SCE 3461 ED-TL&L 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Education Science program or C.I. Special programs, strategies, and materials for middle and high school science teachers and educators. Spring.

SCE 5325 ED-TL&L 3(3,0)
Teaching Middle School Science: PR: EDG 6415, TSL 5085 or admission to MED program or Initial Teacher Professional Preparation certificate. Secondary school science special methods course is designed to augment students’ understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0)
Space and Physical Science for Educators: PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-CFCS 3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2311C COM-SSBS 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-CFCS 2(2,0)
Peer Educator Leadership: PR: Orientation Team Member or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 COS-PSYCH 3(3,0)

SOP 3004C COS-PSYCH 3(3,2)
Social Psychology: PR: PSY 2012. Effects of social situations on social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PSYCH 3(3,0)

SOP 3724 COS-PSYCH 3(3,0)
Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PSYCH 3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.
SOP 3784 COS-Psych 3(3.0)
development of theories of understanding the complexity of
diversity related to ethnic background, gender, sexuality,
and belief systems. Occasional.

SOP 5059 COS-Psych 3(3.0)
Advanced Social Psychology: PR: SOP 3004C, 
grade status or senior standing, or C.I. The major
findings in contemporary social psychology, with an
in-depth review of relevant research. Occasional.

SOW 2020 HPA-Sowk 3(3.0)
Careers in Creating Social Change: Introduces
students to the field of social services, with emphasis on
the social work profession and career paths that create
social change. Fall.

SOW 3184 HPA-Sowk 3(3.0)
Human Behavior and the Social Environment:
PR: Junior Standing or C.I. The role of social
change in human development and psychosocial
functioning, and their potential for providing social support.
Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-Sowk 3(3.0)
Human Behavior and the Social Environment II:
PR: Admission to BSW Program and SOW 3104. 
Development of theories in social psychology and
human development, including social justice mission of the
social work profession. Addresses professional values, the
rights of populations served, and justice within practice fields. 
Fall, Spring.

SOW 3284 HPA-Sowk 3(3.0)
Social Work Perspectives on Social Justice:
PR: Junior Standing or C.I. Examination of the social
justice mission of the social work profession. Addresses
professional values, the rights of populations served, and justice within practice fields. Fall, Spring.

SOW 3300 HPA-Sowk 3(2,1)
Practice I: Generalist Practice in Social Work:
PR: Administration to Social Work Program. Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.

SOW 3352 HPA-Sowk 3(3.0)
Practice II: Interpersonal Skills in Social Work:
PR: Junior Standing or C.I. Study of interpersonal skills; 
the use of a generalist model of practice. Fall.

SOW 3300 HPA-Sowk 3(3.0)
Quantitative, qualitative, and critical methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-Sowk 3(3.0)
Culturally Competent Social Work Practice:
PR: SOW 3204 and SOW 3104; PR or CR: SOW 3300. 
Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensus as well as confrontational contexts of social work. Spring.

SOW 3740 HPA-Sowk 3(3.0)
Social Work Practice with Loss & Life's Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4148 HPA-Sowk 3(3.0)
Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior standing; CR: SOW 3204 or C.I. An introduction to military life providing specific ways to better understand, communicate, and effectively interact with military, veterans, and their families. Fall, Spring.

SOW 4232 HPA-Sowk 3(3.0)
Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. Fall.

SOW 4283 HPA-Sowk 3(3.0)
Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on roles social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. Fall.

SOW 4322 HPA-Sowk 3(3.0)
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of group social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-Sowk 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-Sowk 3(2,1)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-Sowk 3(0,28)
Field Education: PR: Complete of required courses in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4515 HPA-Sowk 1-2(2,0)
Part Time Field Education Seminar: PR: Completion of all required social work courses for the major and CR: SOW 4941. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4522 HPA-Sowk 3(2,1)
Field Education Seminar: PR: Completion of required courses in major; CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-Sowk 3(3.0)
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-Sowk 3(3.0)
Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventional skills for providing, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-Sowk 3(3.0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-Sowk 3(3.0)
Children's Services: PR: (Admission to BSW program) or (PR or CR: SOW 3104). Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-Sowk 3(3.0)

SOW 4705 HPA-Sowk 3(3.0)
Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and release issues and public policies regarding adolescents with substance abuse problems Even Fall, Spring.

SOW 4706 HPA-Sowk 3(3.0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-Sowk 3(3.0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-Sowk 3(3.0)
Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 4794 HPA-Sowk 3(3.0)
Social Work with Immigrants and Refugees: PR: SOW 3620 and Junior Standing; PR: Social work practice with immigrants and refugees; specifically addressing social policies, programs and legal issues resulting from a national and an international perspective. Fall.

SOW 5105 HPA-Sowk 3(3.0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals across various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-Sowk 3(3.0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, organizations, and communities from a social work and systems perspective. Spring.

SOW 5132 HPA-Sowk 3(3.0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5149 HPA-Sowk 3(3.0)
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5235 HPA-Sowk 3(3.0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services Fall.

SOW 5305 HPA-Sowk 3(3.0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-Sowk 3(3.0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5404 HPA-Sowk 3(3.0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5538 HPA-Sowk 3(3.0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Admission to Master of Social Work program or C.I.; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Fall.

SOW 5539 HPA-Sowk 3(3.0)
UCF Courses and Descriptions


SPA 3011 HPA-COM SC&DIS 3(3,0) Speech Science I: Production: Pr: SPA 3112, CR: SPA 3111L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.


SPA 3101 HPA-COM SC&DIS 3(3,0) Physiological Bases of Speech and Hearing: Pr: or CR: SPA 3471. An introduction to the anatomical, physiological, and other practical aspects underlying the communication process. Fall, Spring.


SPA 3112 HPA-COM SC&DIS 3(3,0) Basic Phonetics: Cr: SPA 3112L. Physiological description and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3112L HPA-COM SC&DIS 1(0,1) Basic Phonetics Lab: Cr: SPA 3112L. Practice in the transcription of normal and deviant speech samples. Graded S/U. Fall, Spring.

SPA 3123 HPA-COM SC&DIS 3(3,0) Speech Science II: Perception: Pr: SPA 3111, CR: SPA 3121. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3123L HPA-COM SC&DIS 1(0,1) Speech Perception Lab: Cr: SPA 3123. Laboratory techniques used in investigating human speech perception. Graded S/U. Fall, Spring.

SPA 3412 HPA-COM SC&DIS 3(3,0) Brain Stories: A Communication Disorders Perspective: Pr: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicating-cognitive disorders due to brain injury Fall, Spring.

SPA 3471 HPA-COM SC&DIS 3(3,0) Communication Disorders in Literature and Media: Pr: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing the psychosocial, academic, vocational, and family challenges as well as society’s perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0) Guidance of Young Children with Communication Disorders: Pr: SPA 3471. Social-emotional and behavioral management strategies for children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 4032 HPA-COM SC&DIS 3(3,0) Audiology: Pr: SPA 3101 and Junior Standing, or C.I. Principles of sound and hearing mechanisms for pure tone audiometry, hearing aids, problems of the deaf and hard of hearing. Clinical skills development required. Fall, Spring.

SPA 4241 HPA-COM SC&DIS 3(3,0) Aural Rehabilitation: Pr: SPA 3101L, SPA 3123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. Fall, Spring.

SPA 4236 HPA-COM SC&DIS 3(3,0) Hearing Disorders Across the Lifespan: Pr: SPA 3101, SPA 4032 and Social Standaeds, or C.I. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 4400 HPA-COM SC&DIS 3(3,0) Language Disorders Across the Life Span: Pr: LIN 3716 and Junior Standing, or C.I. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(3,0) Speech Disorders Across the Lifespan: Pr: SPA 3101, and SPA 3112 and Junior Standing, or C.I. Causative factors and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication Disorders: Pr: LIN 3716, Senior Standing, or C.I. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4555 HPA-COM SC&DIS 3(3,0) Counseling in Communication Disorders: Pr: SPA 3471 or C.I. Practical interviewing and counseling in the area of communication disorders. Fall, Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0) Augmentative and Alternative Communication Systems: Pr: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(3,0) Educational Implications of Deafness: Pr: ASL 2510, Grades of communication sciences and disorders related to the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0) Research Methods in Communication Disorders: Pr: STA 2104C or STA 2123. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1) Case Study Course: Pr: or CR: All required CS&D courses. Integration of educational courses in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0) Community Internship: Cr: SPA 4326 and senior standing. Supervised interaction and planned activities with individuals experiencing problems with hearing, balance, or the disorders of hearing in community settings including clinics, hospitals, etc. Course may be repeated for credit up to two times. Fall, Spring.

SPA 5554 HPA-COM SC&DIS 3(3,0) Counseling in Communication Disorders: Pr: PSY 2012 or C.I. Principles and procedures in the use of counseling for individuals with communication disorders and their families. Spring.

SPB 3003 BA-BA 3(3,0) Introduction to Sport Business Management: Pr: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Fall, Spring.

SPB 3603 BA-BA 3(3,0) Diversity and Social Issues in Sport Business Management: Pr: SPB 3003 with a “C” (2.0) or better. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BA 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: Pr: SPB 3003 with a “C” (2.0) or better. Analyzing business opportunities in sports/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4304 BA-BA 3(3,0) Sports Event and Facility Management: Pr: SPA 4303 with a “C” (2.0) or better. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4804 BA-BA 3(3,0) Sport Business and Media: Pr: SPA 3003 with a “C” (2.0) or better. The structure and evolution of the internrelationship between sport and media and their business implications. Occasional.

SPC 1603C COS-COMM 3(1.5,1.5) Fundamentals of Technical Presentations: Pr: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.


SPC 1608 COS-COMM 3(3,0) Fundamentals of Oral Communication: Pr: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.


SPC 2942 COS-COMM 1-2(3,0) Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301 COS-COMM 3(3,0) Interpersonal Communication: Pr: CR: COM 3113 or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, intercultural behavior; situational cues, verbal and non-verbal messages. Fall, Spring.
UCF Courses and Descriptions

SPC 3425C COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: OR CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SPC 3445 COS-COMM 3(3,0) Leadership Through Oral Communication: PR: OR CR: COM 3311, or C.I. Investigation of leadership in intercultural communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513C COS-COMM 3(1,2) Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: Consent of Honors Program. One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 4331 COS-COMM 3(3,0) Nonverbal Communication: PR: OR CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0) Group Dynamics: PR: OR CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

SPC 4540 COS-COMM 3(3,0) Persuasion and Communication: PR: OR CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communication and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-EHSH 3(3,0) Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-EHSH 3(3,0) Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3411 ED-EHSH 3(3,0) Public Relations in Sport and Exercise Science: PR: PET 3005. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-EHSH 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 3005. Principles of facility management, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 4723 ED-EHSH 3(3,0) Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-EHSH 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-EHSH 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 5112CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization I: PR: Consent 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 5113CAH-LANG 4(4,1) Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.


SPN 5115CAH-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 5117CAH-LANG 8(16,10) Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 5200 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 5201 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 5240 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 5241 CAH-LANG 3(3,0) Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

SPN 5245 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 5312 CAH-LANG 3(3,0) Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SPN 5313 CAH-LANG 3(3,0) Modern Spanish Civilization Study Abroad: PR: SPN 2340 or C.I. The course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

SPN 5402 CAH-LANG 3(3,0) Practice in Modern Spanish Grammar: PR: SPN 2241 or SPN 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 5420 CAH-LANG 3(3,0) Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPS 3512 CAH-LANG 3(3,0) Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPS 3760 CAH-LANG 3(3,0) Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3860 CAH-LANG 3(3,0) Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound systems, morphology, syntax, word formation, and socialization. Occasional.

SPN 3872 CAH-LANG 3(3,0) Bilingualism: PR: SPN 3760, SPN 3420 and SPN 3310 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. Occasional.
UCF Courses and Descriptions

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, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG  3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG  3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG  3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG  3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG  3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG  3(3,0)
Spanish Morphology: 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 criterion 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.

SPW 3320 CAH-LANG  3(3,0)
Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.

SPW 3321 CAH-LANG  3(3,0)

SPW 3370 CAH-LANG  3(3,0)

SPW 4272 CAH-LANG  3(3,0)
20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG  3(3,0)

SPW 4322 CAH-LANG  3(3,0)
Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG  3(3,0)
Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3310 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.

SPW 4381 CAH-LANG  3(3,0)
Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or C.I. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG  3(3,0)
Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. Covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG  3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3313, or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG  3(3,0)
Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG  3(3,0)
Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.
UCF Courses and Descriptions


SPW 4730 CAH-LANG 3(3.0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3.0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3.0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3.0) Puerto Rican Literature: PR: SPW 3100 and SPW 3130 or SPW 3131 or C.I. Puerto Rican literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3.0) Contemporary Spanish American Southern Cone Literature: PR: SPW 3101 or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SPW 5795 CAH-LANG 3(3.0) Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of Jewish communities in Latin America and studies of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3.0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected topics, problems, and concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring.


SSE 4936 ED-TL&L 3(3.0) Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3.0) Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3.0) Democracy and Education: PR: Graduate standing or C.I. Explores the interaction of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3.0) Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Preparation Certification. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1063C COS-STAT 3(2.1) Basic Statistics Using Microsoft Excel: Applications of methods; sampling and sampling distribution, single and multiple variables, graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2.1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3.0) Statistical Methods I: PR: MAC 1105C or MGF 1106. First methods course introducing probability and statistical inference, including: experimental probability, testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3.0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3.0) Probability and Statistics for Engineers: PR: MAC 2312, with a grade of "C" (2.0) or better. Advanced probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distribution; testing hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3.0) Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better and honors standing. Fundamental probability and statistics principles, the underlying assumptions; the procedures for implementing and interpreting them. With honors content. Fall, Spring.


STA 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 I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premium and net premium 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 4164. Measurement of compound interest, 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 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. Spring.


STA 4321 COS-STAT 3(3.0) Statistical Theory I: PR: STA 2023 or STA 3032, CR: STA 2023 or C.I. MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, conditional, 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. Occasional.


STA 5045 COS-COMM 3(3.0) Statistical Analysis of Communication Data: PR: STA 2023 or C.I. Descriptive statistics, correlation; hypothesis testing, time-series analysis, and nonparametric statistical tests; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. Fall, Spring.

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STA 5104 COS-STAT 3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Uses of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5176 COS-STAT 3(3,0)
Introduction to Biostatistics: PR: STA 4152 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(3,0)
Experimental Design: STA 4164, STA 5402 or ESL 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication, incomplete block designs, factorial and fractional designs, design resolution. Spring.

STA 5206 COS-STAT 3(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 4165 or STA 4173 and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5703 COS-STAT 3(3,0)
Data Mining Methodology I: PR: STA 5104 and STA 5502, graduate status or senior standing, or C.I. Supervised data mining techniques for big data analytics to uncover hidden patterns from typical SEIMA (Sample, Explore, Model, Modify, and Access) process. Techniques covered include regression, decision trees, support vector machines and neural networks. Fall.

STA 5825 COS-STAT 3(3,0)

SYA 3110 COS-SOC 3(3,0)
Social Theory: PR: SYG 2000 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 the social sciences to the development of the modern sociological concept of "society." Fall.

SYA 3400C COS-SOC 4(3,0)
Applied Social Statistics: PR: SYG 2000 or C.I. 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 4300C COS-SOC 4(3,2)
Research Methods: PR: SYG 2000 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 research methodologies in sociology. Emphasis on data collection, management, analysis, interpretation, integration, presentation, and report writing. Fall.

SYA 4450 COS-SOC 4(3,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC 3(2,2)

SYA 4900 COS-SOC 4(3,1)
Applied Sociology: PR: SYA 4000C. How sociology is used outside academia, how to apply research methods in an applied research setting, and complete an applied research project. Odd Spring.

SYA 5625 COS-SOC 3(3,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYD 3410 COS-SOC 3(3,0)

SYD 3705 COS-SOC 3(3,0)

SYD 3805 COS-SOC 3(3,0)

SYD 4020 COS-SOC 3(3,0)

SYD 4514 COS-SOC 3(3,0)

SYD 4813 COS-SOC 3(3,0)

SYD 5517 COS-SOC 3(3,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-SOC 3(3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000 COS-SOC 3(3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H COS-SOC 3(3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-SOC 3(3,0)
Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and deviant behavior. Fall, Spring.

SYG 3938 COS-SOC 3(3,0)
Careers in Sociology: PR: SYG 2000 or SYG 2010. Explore careers that sociology majors are prepared for upon graduation and tips for improving chances of obtaining a desired career. Fall.

SYO 3000 COS-SOC 3(3,0)

SYO 3360 COS-SOC 3(3,0)

SYO 3408 COS-SOC 3(3,0)

SYO 3410 COS-SOC 3(3,0)

SYO 3410H COS-SOC 3(3,0)
Honors Patterns of Mental Health in Society: PR: Consent of Honors or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. With Honors content. Occasional.

SYO 3530 COS-SOC 3(3,0)

SYO 4100 COS-SOC 3(3,0)

SYO 4132 COS-SOC 3(3,0)

SYO 4200 COS-SOC 3(3,0)

SYO 4250 COS-SOC 3(3,0)
Education and Social Achievement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.
THE 2090L CAH-THEA (0,VAR) Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions may be counted in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA (3,0) Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA VAR(0,VAR) Theatre Participation: PR: Theatre Major, Theatre Minor or Dance Minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.


THE 3082 CAH-THEA (3,0) Theatre Careers: PR: B.A. Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2081C. Techniques to secure employment in theatre and related fields. Occasional.

THE 3171 CAH-THEA (3,0) That's Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway: PR: THE 2000 or ENC 1102 or FL 1100. The art and craft of theatrical live entertainment. Occasional.

THE 3240 CAH-THEA (3,0) Musical Theatre Survey: PR: Grade of "C" (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3250 CAH-THEA (3,0) Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.


THE 3311 CAH-THEA (3,0) Theatre History and Dramatic Literature I: PR: Theatre major, "C" (2.0) or better in THE 2305 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA (3,0) Theatre History and Dramatic Literature II: PR: Theatre major, "C" (2.0) or better in THE 3311, THE 2305 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Fall, Spring.

THE 3331 CAH-THEA (3,0) Theatre History and Dramatic Literature III: PR: Theatre major, "C" (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. Fall, Spring.

THE 3333 CAH-THEA (3,0) Shakespeare Skills: PR: Grade of "C" (2.0) or better in THE 2081C. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.

THE 3383 CAH-THEA (3,0) Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102 or dramatic form with topical topics and their impact on the storytelling and entertainments of today. Occasional.

THE 4093L CAH-THEA (1,0,VAR) Theatre Participation-Management II: PR: Theatre major or minor, "C" (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 CAH-THEA (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 cultures with an emphasis on non-western cultures. Occasional.

THE 4230 CAH-THEA (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 (3,0) Musical Theatre History I: PR: B.F.A. Musical theatre major, "C" (2.0) or better required in THE 2061C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA (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 (3,0) Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA (3,0) Period Costume, Architecture, and Decor: PR: "C" (2.0) or better in TPA 2000C, THE 3312, and THE 4284. Costumes, furniture and decor from the English Renaissance to the present. Occasional.

THE 4423 CAH-THEA (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 4545 CAH-THEA (0,0) Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.


THE 5215 CAH-THEA (3,0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. Occasional.

THE 5237 CAH-THEA (3,0) Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various cultural groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA (3,0) Musical Theatre History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the works of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA (3,0) Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.


THE 5385 CAH-THEA (3,0) Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA (3,0) Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. Occasional.


THE 5910 CAH-THEA (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, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA (1,0,20) Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in Theatre. Occasional.

THE 5946L CAH-THEA (1,0,20) Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA (2,2) Theatre Design Basics: PR: B.F.A. Design and Technology or Stage Management major, "C" (2.0) or better in THE 2020. 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 (2,2) Scenography: PR: "C" (2.0) or better in TPA 2000 and BFA Design and Technology or Stage Management major. Introduction to design for theatre, including scenery, lighting, and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.

TPA 2071C CAH-THEA (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 2170C CAH-THEA (2,2) Introduction to Theatre Production Documentation: PR: CGS 1060C. Presentation of information necessary to document design and production process. Spring.

TPA 2200 CAH-THEA (2,0) Introduction to Technical Theatre: PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or Theatre minor, "C" (2.0) or better in THE 2020. Development, theory and practice of all areas of technical theatre production. Fall, Spring.

TPA 2200L CAH-THEA (1,0,6) Intro to Technical Theatre Lab: PR: or CR: TPA 2200. Practical projects in scenic construction. Fall, Spring. M&S fee $45.00.

TPA 2210 CAH-THEA (3,0) Stagecraft I: PR: BFA DesignTech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.
TPA 2200C CAH-THEA  3(2,2)
Stage Electronics: PR: "C" (2.0) or better in THE 2081C and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall, M&S fee $44.00.

TPA 2230C CAH-THEA  3(2,2)
Costume Construction: PR: BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Fall, Spring, M&S fee $22.00.

TPA 2248C CAH-THEA  2(2,2)
Making and Directing Theatre: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring, M&S fee $17.00.

TPA 2290L CAH-THEA  1(0,VAR)
Theatre Participation-Production I: PR: Theatre minor or major. Participation in UCF Theatre productions. May be repeated in the degree program a maximum of 8 times. Fall, Spring, M&S fee $47.00.

TPA 2600 CAH-THEA  3(3,0)
Stage Management Basics: PR: "C" (2.0) or better in THE 2020 and BFA Design and Technology or Stage Management major. Functions and responsibilities of professional stage managers. Occasional.

TPA 3045C CAH-THEA  3(2,2)
Costume Design for Theatre I: PR: BFA Stage Management or Design & Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, and TPA 2071C. Projects in the fundamentals of costume design for the stage. Fall.

TPA 3060C CAH-THEA  2(2,2)
Scenic Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, TPA 2071C and TPA 2020L. Projects in the fundamentals of scenic design for the stage. Fall, Spring, M&S fee $37.00.

TPA 3070L CAH-THEA  3(0)
Scene Painting: PR: "C" (2.0) or better in TPA 2020L and TPA 2071C. Projects in scene painting techniques. Fall, M&S fee $70.00.

TPA 3172 CAH-THEA  3(3,0)
Flash, Bash, and Splash: Concerts, Wrestling, & Circus: PR: THE 2000 or THE 2081C or MUL 2010 or ENC 1102 or ARH 2051. Components of large-scale entertainment extravaganzas including but not limited to designers, technical developments, documentation, concepts, and venues. Occasional.

TPA 3195L CAH-THEA  3(0,VAR)
Summer Theatre Studio/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/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 3223C CAH-THEA  3(2,2)
Lighting Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2220C, TPA 2000C, and TPA 2020L. Projects in the fundamentals of lighting design for the stage. Spring. M&S fee $61.00.

TPA 3249C CAH-THEA  2(2,2)
Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2200L. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&S fee $70.00.

TPA 3265C CAH-THEA  3(2,2)
Sound Design for Theatre I: PR: BFA Stage Management or Design Technology major and "C" (2.0) or better in THE 2081, TPA 2220C, TPA 2000C, and TPA 2450C. Projects in the fundamentals of sound design for the stage. Spring.

TPA 3383C CAH-THEA  2(2,4)
Topics in Technical Theatre: PR: TPA 2300C. 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 2080. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.

TPA 4066C CAH-THEA  3(2,2)
Advanced Scenography: PR: "C" (2.0) or better in TPA 2000C or THE 2081. 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 4250C CAH-THEA  2(2,2)
CADD for Theatre: PR: Design and Technology or Stage Management major and "C" (2.0) or better in THE 2081C. Computer-aided drafting and design and its application for Theatre. Occasional. M&S fee $23.00.

TPA 4251C CAH-THEA  2(2,2)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 2450C. Advanced computer-aided drafting and design and its application for Theatre. Spring, M&S fee $43.00.

TPA 4298L CAH-THEA  1(0,VAR)
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring, M&S fee $47.00.

TPA 4384C CAH-THEA  3(3,4)
Advanced Topics in Technical Theatre: PR: TPA 2210 and TPA 2211. Variable Topics which may include Technical Director 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 2020 and Junior standing. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.

TPA 4401C CAH-THEA  3(2,2)
Theatre Careers in Production: PR: B.F.A. Design/ Tech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA  3(3,0)
Advanced Stage Management: PR: B.F.A. Stage Management major, "C" (2.0) or better in THE 2081. 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. Spring.

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.
TPP 2100L CAH-THEA  (10,VAR) Theatre Participation-Performance I: PR: Theatre major or minor or departmental consent. Participation in UCF Theatre productions. May be repeated for credit. Fall, Spring. M&S fee $48.00

TPP 2700C CAH-THEA  (3,2,2) Stage Speech/Voice: PR: BA Theatre major or minor and "C" (2.0) or better in THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Spring.


TPP 3103 CAH-THEA  (3,3,0) 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 3173C CAH-THEA  (3,2,2) Acting Ill - Building the Character: PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of acting techniques begun in Acting I, with emphasis on characterization and character development. Spring.

TPP 3191L CAH-THEA  (3,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 $220.00

TPP 3251 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.

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 3251. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257C CAH-THEA  (2,2,2) Musical Theatre Voice I: PR: B.F.A. Musical Theatre or B.F.A. Acting major and "C" (2.0) or better in THE 2020. Craft of singing including anatomy, physiology, and diction utilizing musical theatre techniques. Fall, Spring.

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 3264C CAH-THEA  (3,2,2) Acting on Camera: PR: BA Theatre major, "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 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 3510C CAH-THEA  (2,1) Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3513C CAH-THEA  (2,1) Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3711C CAH-THEA  (2,1) Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA  (2,1) Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Early 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 3173C. 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  (10,VAR) Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2101C. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $48.00

TPP 4221 CAH-THEA  (3,0,0) Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA  (3,2,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4244C CAH-THEA  (2,2,2) Circus Arts: PR: Theatre major or minor: "C" (2.0) or better in TPP 2101, TPP 2110C and THE 2081C or THE 2000. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4248C CAH-THEA  (2,2,2) Musical Theatre Voice III: PR: Option of 3598C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4249C CAH-THEA  (3,2,2) Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4248C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA  (6,0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA  (3,2,2) Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA  (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 5157C CAH-THEA  (3,2,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of Ibsen/Chekhov/Shaw. Application of demonstrating understanding of the plays of Ibsen/Chekhov/Shaw. Occasional.

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  (2,0) Musical Theatre Acting: 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 5278C CAH-THEA  (1,1) Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5289C CAH-THEA  (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) Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.
TPP 5515 CAH-THEA 2(2.0) 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 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 specific knowledge and skills in period styles of movement and basic uninjured combat. Spring.

TPP 5545C CAH-THEA 2(2.4) Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2.4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2.1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sounds for speech, 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.

TPP 5754 CAH-THEA 2(2.0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application in the performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2.2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3.0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TL&L 3(3.0) Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.


TSL 4363 CAH-LANG 3(3.0) ESL Classroom Experiences: PR: TSL 3346 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L 3(3.0) ESOL Field Experience: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.


TSL 4945 ED-TL&L 3(3.0) ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L 3(3.0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL, curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3.0) ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum, and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TL&L 3(3.0) Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3.0) Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(3.0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasis on computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3.0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5601 CAH-LANG 3(3.0) Second Language Vocabulary Learning: PR: C.U. 100 or C.I. Considered lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3.0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE 3(3.0) Highway Engineering: PR: STA 3032 with a grade of 'C-' (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-CECE 3(3.0) Transportation Engineering Systems: PR: TTE 3810 with a grade of 'C-' (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE 3(2.2) Urban Systems Design: PR: TTE 3810 with a grade of 'C-' (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Occasional. M.S fee $25.00

TTE 5204 ECS-CECE 3(3.0) Traffic Engineering: PR: TTE 3810 or C.I. Study of operation and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5805 ECS-CECE 3(3.0) Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3.0) Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components;设计 factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3.0) Visual Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

VIC 4312 COS-COMM 3(3.0) Power Branding: PR: Ad/PR majors only; MMC 3630, ADV 4101, and MMC 3420, or C.I. The importance of brand equity as well as how to build, measure, and manage brand equity. Fall, Spring.

WOH 2017 CAH-HIST 3(3.0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.

WOH 2017H CAH-HIST 3(3.0) Honors World Civilization I: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3.0) World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2023H CAH-HIST 3(3.0) Honors World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 4272 CAH-HIST 3(3.0) Age of Atlantic Revolutions 1763-1826: PR: AHST 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 CAH-WOM 3(3.0) Introduction to Women’s Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM 3(3.0) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM 3(3.0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an interdisciplinary course introducing students to the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3.0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3.0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

UNIVERSITY OF CENTRAL FLORIDA

UCF Courses and Descriptions
Consent of Honors. Interdisciplinary study of issues, Honors Women, Race and Struggle: WST 3460H CAH-WOM 3(3,0)

UCF Courses and Descriptions

WST 3603 CAH-WOM 3(0)
Introduction to Gender Studies: PR: ENC 1101. Historical and contemporary foundations of gender, sexuality, and intersectional theories with attention to fluidity of identities and diversity of experiences. Even Fall.

WST 3621 CAH-WOM 3(0)
Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(0)

WST 4021 CAH-WOM 3(0)

WST 4022 CAH-WOM 3(0)

WST 4023 CAH-WOM 3(0)

WST 4349 CAH-WOM 3(0)

WST 4415 CAH-WOM 3(0)

WST 5347 CAH-WOM 3(0)
Research in Women and Gender Studies: PR: Graduate standing or senior standing, or C.I. To explore feminist research methodologies and investigate relationships among feminist theory, research, social change, and gender equality as experienced at the workplace in private, public and non-profit spheres. Even Fall.

WST 5601 CAH-WOM 3(0)
Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theory and interdisciplinary approaches to gender and sexuality. Even Fall.
ZOO 5745C  COM-BSBS  4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee $15.00

ZOO 5748C  COM-BSBS  5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5749C  COM-BSBS  5(3,2)
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neurooncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.
BERMAN, STEPHEN, Associate Professor of Rheumatology (1996), B.S., M.B.A., E.D.D. (University of Central Florida)

BECKMAN, JAMES A., Associate Professor and Department Chair of Legal Studies (2011), B.A., J.D., LL.M. (Georgetown University)

BEDWELL, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S. Ph.D. (University of Georgia)

BELED, SHIZIA, Assistant Professor of Rheumatology (2011), M.D. (State University of New York)

BEHL, AMAN, Associate Professor of Electrical and Computer Engineering (2006), B.S., M.S., Ph.D. (Clemson University)

BEHZADAN, AMIR, Assistant Professor of Civil, Environmental, and Construction Engineering (2009), B.E., M.Eng., Ph.D. (University of Michigan)

BEIDEL, DEBORAH C., Professor of Psychology, Secondary Joint Appointment of College of Medicine, and University Physician Professor (2007), M.S., M.Ed., Ph.D. (University of Pittsburgh)


BEILER, ROSALIND J., B.A., M.Ed., M.S.L.S., Ph.D. (University of South Florida)

BEILE, PENNY M., Pegasus Professor of Psychology, Secondary Joint Appointment of College of Medicine, and University Physician Professor (2009), B.E., M.Eng., Ph.D. (University of Michigan)

BENSON, CYNTHIA, M.D. (University of South Florida), Professor of Neurosurgery (2012), B.S., M.S., Ph.D. (University of Florida)

BRECHER, NANCY, Associate Professor of Physics (2002), B.S., M.S., Ph.D. (Polytechnic Institute of Brooklyn)

BIRMAH, KAREN L., Director and Professor, College of Education & Human Performance (1985), B.A., M.A., M.S.Ed., Ph.D. (State University of New York at Buffalo)

BISHOP, CARRIN G., Assistant Librarian (2008), B.A., M.L.I.S. (Florida State University)

BLACK, DAVID, Lecturer of Hospitality Management (2012), B.S., M.S., Ph.D. (Indiana University)

BLACKWELL, CHRISTOPHER, Associate Professor, College of Nursing (2004), C.N.E., B.S.N., M.S.N., Ph.D. (University of Central Florida)

BLENCKE, CARL, Instructor of Management (2009), B.A., M.B.A., E.D.D. (University of Central Florida)

BLESSING, LEWIS, Lecturer, College of Education & Human Performance (2005), B.S., M.S., Ed.S., Ph.D. (Curtin University of Technology)


BOLIN, LANDISLAV, Associate Professor of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Purdue University)

BONTU, DAVID N., Associate Professor, College of Education & Human Performance (2000), B.Ed., B.S.I., M.A. Ph.D. (Simon Fraser University, British Columbia, Canada)

BORDE, STEPHEN F., Associate Professor of Finance (1994), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)

BOWDEN, MELODY A., Director, Faculty Center for Teaching and Learning and Professor of Writing & Rhetoric (1989), B.A., M.A., Ph.D. (University of Arizona)

BOWERS, CLINT, Professor of Psychology (1994), B.S., M.A., Ph.D. (University of Central Florida)

BOYD, BELINDA, Associate Professor of Theatre (2002), B.S., M.F.A. (University of Louisville)

BRASEL, NANCY, Associate Instructor, College of Education & Human Performance (1999), B.S., M.Ed. (University of Central Florida)

BRAUN, BRADLEY M., Professor of Economics (1986), B.S., M.A., Ph.D. (Tulane University)

BREIT, DONNA, Instructor, College of Education & Human Performance (2015), M.S.N., R.N. (University of Central Florida)

BREITER, DEBORAH, Professor of Convention and Conference Management and Professor of Hospitality Management (2000), B.A., M.P.S., Ph.D. (University of Central Florida)

BRENNAN, JOSEPH P., Associate Chair and Professor of Mathematics, Secondary Joint Professor of Nanoscience Technology Center, and Graduate Coordinator (2006), B.A., Ph.D. (University of Illinois at Urbana-Champaign)

BREWERS, THOMAS, Professor, College of Education & Human Performance (1996), B.A., M.A., Ph.D. (Florida State University)

BRICE, ROANNE G., Director of Accreditation, Assessment, and Data Management, College of Education & Human Performance (2004), B.A., M.A., Ph.D. (University of Central Florida)

BRIDGE, CANDICE, Assistant Professor of Chemistry (2007), Ph.D. (University of Central Florida)

BRIDGES, STEPHEN, M.J., USAF, Assistant Professor of Aerospace Studies (2013), A.A.S., B.S., M.A.S. (Embry Riddle Aeronautical University)

BRITT, DANIEL, Professor of Physics and Graduate Coordinator of Planetary Sciences (2003), Ph.D. (Brown University)

BRODIE, LYMAN A., Associate Vice Provost, Professor of Music (1990), B.A., M.M.E. (University of North Texas)


BROPHY-ELLISON, JAMES C., Lecturer of Psychology (2006), B.A., Ph.D. (Vanderbilt University)

BROTHERTON, MARK W., Associate Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)

BROWN, JAMES C., Lecturer of Theatre (2001), B.A., M.F.A. (San Diego State University)

BROWN, KEVIN, Lecturer of Social Work (2013), B.A., M.S.W., Ph.D. (Florida State University)

BROWN, TIMOTHY F., Associate Professor of Communication and Area Coordinator of Radio/Television (2005), B.A., M.A., Ph.D. (University of South Carolina)

BRUECKNER, THOMAS, Lecturer of Physics (2004), M.S., Ph.D. (Montana State University)


BRUNSON, RICK, Associate Instructor of Communication (2003), B.A., M.A. (University of South Florida)

BRYAN, MATTHEW, Lecturer of Writing & Rhetoric (2009), B.A., M.F.A. (University of Central Florida)

BRYER, THOMAS, Associate Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)

BUCHOFF, RITA J., Associate Lecturer, College of Education & Human Performance (1989), B.A., M.A., Ph.D. (University of Florida)


BUXSTEIN, SCOTT J., Instructor of Sport Business Management (2011), B.A., J.D. (University of Minnesota)

BURN, SUZAN, Internship Coordinator/Instructor of Hospitality Management (2006), B.A., M.S. (University of Central Florida)

BURNS, MARY ANN, Professor of Social Work and PAF Program Coordinator and Associate Director for Research (2010), B.A., M.S.W., Ph.D. (University of Florida)

BURR, JOYCE, Lecturer, College of Nursing (2010), R.N., A.H.N.-B.C., Ph.D. (University of Central Florida)

BURRELL, JASON E., Associate Lecturer of SWAD (2002), B.A., M.F.A. (University of Cincinnati)

BUSHY, ANGELINE A., B.A., M.A., M.S.W., Ph.D. (University of Texas)

BUTCHER, LONNY, Instructor of Management (2011), B.A., M.A. (Louisiana State University)

BUTLER, MALCOLM, Associate Professor, College of Education & Human Performance (2012), B.S., M.Ed., Ph.D. (University of Florida)

BUTLER, S. KENT, Associate Professor, College of Education & Human Performance (2007), B.A., M.A., Ph.D. (University of Connecticut)

BUYSENS, RYAN, Assistant Professor of SVAD (2014), B.F.A., M.F.A. (Crabgrass Academy of Art)
UCF Faculty

BYRD, ANTHONY K., Associate Professor of Finance (1993), B.S., M.B.A., Ph.D. (University of South Carolina)

CABRERA, CHERYL, Assistant Professor of SVAD (2009), M.Ed., M.F.A. (Savannah College of Art and Design)

CALDRE, MARK, Instructor of Industrial Engineering (2004), B.S.E., M.S.E. (University of Central Florida), P.E. (Florida)

CALKINS, VANESSA, Instructor of Writing & Rhetoric (2012), B.A., M.A. (University of Central Florida)

CAMPBELL, JAMES, Associate Professor of English (1990), B.S., M.A., Ph.D. (University of Notre Dame)

CAMPILIA, ANDRES, Professor of Chemistry and Graduate Coordinator (2003), B.S., M.S., Ph.D. (University of Florida)

CAMPINS, HUMBERTO, Professor of Physics and University Pegasus Professor (2003), M.S., Ph.D. (University of Arizona)

CANNAROZZI, MARIA, Associate Professor of Internal Medicine and Pediatrics (2008), M.D. (University of South Florida)

CANNON, JOHN R., Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)

CAPURSI, MARIA G., Lecturer of Mathematics (2007), B.S., M.S., Ph.D. (University of Delaware)

CAPUTO, MICHAEL, Professor of Economics (2003), B.S., M.A., Ph.D. (University of Washington)

CARLSON, THOMAS, Research Associate, FIEA (2005), B.S., M.S. (University of Utah)

CARLSON, KEITH, Instructor of Mathematics (2009), B.A., M.S. (University of Illinois)

CARSON, CECILE, Associate Professor of Communication Sciences and Disorders (2004), B.S., M.S., Ph.D. (Wichita State University)

CARTER, J. SCOTT, Associate Professor of Sociology (2007), B.A., M.S., Ph.D. (University of South Carolina)

CARTER, SHANNON, Assistant Professor of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)

CARTER, SHAWN, Clinical Assistant Professor of Nursing (2013), B.A., M.A., Ph.D. (Northern Illinois University)

CASH, MASON, Associate Professor of Philosophy (2003), B.S., Dip.Hum., M. Phil. (University of Alberta)

CASMIER-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)

CASSANELLO, ROBERT V., Associate Professor of History (2007), B.A., M.A., Ph.D. (Florida State University, Philadelphia)

CASSISI, JEFFREY E., Chair and Professor of Psychology (2007), B.A., M.A., Ph.D. (University of Florida)

CASTIGLIONI, ANALIA, Director of Clinical Skills and Simulation Center and Associate Professor of Internal Medicine (2012), M.D. (Drexel University)

CATANIA, JELENA, Assistant Professor of Internal Medicine (2015), M.D. (New York Medical College)

CATBAS, F. NECATI, Professor of Civil, Environmental, and Construction Engineering (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati), P.E. (Florida)

CATO, FARIDA M., Associate Instructor of English (2003), B.A., M.A. (University of Central Florida)

CAVANAGH, THOMAS, Assistant Vice President, Center for Distributed Learning and Adjunct Instructor of Writing & Rhetoric (2006), B.S., M.B.A., Ph.D. (University of Central Florida)

CENDAN, JUAN, Chair of Medical Education, Assistant Dean of Simulation, and Professor of Surgery (2010), M.D. (University of Florida)

CERQUA-RICHARDSON, KATHLEEN, Professor of Optics (2012), Ph.D. (Alfred University)

CHAI, KARL, Associate Professor (1999), Ph.D. (Medical University of South Carolina)

CHAKRABARTI, DEBOPAM, Professor of Chemical, Environmental and Transportation Engineering (1995), Ph.D. (University of Calcutta-Bose Institute)

CHAKRABARTI, RATNA, Associate Professor of Chemistry (1996), Ph.D. (University of Calcutta)

CHALLAPALLISURYARANYANA, Professor and Interim Chair of Mechanical and Aerospace Engineering and Secondary Joint Professor of Materials Science and Engineering (2001), B.S., B.E., M.S., Ph.D. (Banaras Hindu University)

CHAN, CHUNGYONG, Lecturer of Electrical and Computer Engineering (2011), B.S., M.S., Ph.D. (University of Mississippi)

CHANDA, DEBASHIS, Assistant Professor of Electrical and Computer Engineering (2012), Ph.D. (University of Toronto)

CHANG, NI-BIN, Professor of Civil, Environmental, and Construction Engineering (2005), B.S.C.E., M.S.E., Ph.D. (Cornell University), P.E. (Texas)

CHANG, ZENGHU, Associate Professor of Physics (2009), B.E., M.S., Ph.D. (Chinese Academy of Sciences/Xian Institute of Optics and Precision Mechanics, China)

CHARLE, RECHNAWA, Assistant Professor of Social Work (2014), B.S.W., M.S.W., Ph.D. (Arizona State University)

CHASE, DIANE Z., Vice Provost, Professor of Anthropology, and University Pegasus Professor (1984), B.A., Ph.D. (University of Pennsylvania)

CHASE, SUSAN, Associate Dean and Professor, Graduate Affairs, College of Nursing (2009), A.R.N.P., M.S.N., Ed.D. (Harvard University)

CHATTERJEE, MAINAK, Associate Professor of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Texas at Arlington)

CHEN, BO, Assistant Professor of Physics (2011), Ph.D. (Northwestern University)

CHEN, HONGHUI, Associate Professor of Finance (2003), B.S., M.S., Ph.D. (Virginia Tech University)

CHEN, PO-JU, Associate Professor of Hospitality Management (2002), B.A., M.S., Ph.D. (Pennsylvania State University)

CHEN, QUANFANG, Professor of Mechanical and Aerospace Engineering and Secondary Joint Professor of Materials Science and Engineering (2001), B.S., M.S., Ph.D. (Tsinghua University)

CHEN, RUEY-HUNG, Professor of Mechanical and Aerospace Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)

CHENG, JACK, Associate Professor (2005), Ph.D. (Purdue University)

CHERNYAK, LEONID, Professor of Physics (1999), Ph.D. (Weizmann Institute)

CHESNUT, JASON, Instructor of Psychology (2010), M.S. (University of Central Florida)

CHICUREL, STEVEN, Professor of Theatre (2002), B.M., M.M., D.M.A. (University of Florida)

CHILDS, KRISTINA, Assistant Professor of Criminal Justice (2011), Ph.D. (University of South Florida)

CHIN, MATTHEW, Associate Lecturer in Management (1996), B.A., M.A., Ph.D. (University of California Santa Barbara)

CHINI, JACQUELYN, Lecturer in Mathematics, Ph.D. (Kansas State University)

CHISHOLM, LATARSHA, Assistant Professor of Health Management and Informatics (2012), B.S., M.S.W., Ph.D. (University of Florida)

CHO, HYOUNG, Professor of Mechanical and Aerospace Engineering and Secondary Joint Associate Professor of Materials Science and Engineering (2002), B.S., M.S., Ph.D. (University of Cincinnati)

CHOI, YOON K., Associate Professor of Physics (1993), B.S., M.A., Ph.D. (University of Illinois at Urbana-Champaign)

CHOUHURY, SUDIPTO R., Professor of Mathematics (1990), B.S., M.S., Ph.D. (Cornell University)

CHOW, LEE, Professor of Physics and Secondary Joint Professor of Materials Science and Engineering (1983), Ph.D. (Clark University)

CHOW, LOUIS C., Professor of Mechanical and Aerospace Engineering (1986), B.A., M.S., Ph.D. (University of California, Berkeley)

CHRISTODOULIDES, DEMETRIOS N., Professor of Optics (2002), M.S., Ph.D. (John Hopkins University)

CHUMBIMUNI-TORRES, KARIN, Assistant Professor of Chemistry (2012), Ph.D. (State University of Campinas, Brazil)

CINTRON, ROSA, Associate Professor, College of Education & Human Performance (2006), B.A., M.A., Ph.D. (Florida State University)

CLARK, JAMES, Associate Lecturer of History (1986), B.A., M.A., Ph.D. (University of Florida)

CLARK, M. H., Instructor and Coordinator, College of Education & Human Performance (2010), B.A., M.S., Ph.D. (University of Memphis)

CLAUSEN, CHRISTIAN A., III, Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)

CLEAVENGER, DEAN J., Lecturer of Management (2007), B.B.A., M.B.A., Ph.D. (University of Kentucky)

COLE, ALEXANDER, Professor of Biochemistry (2010), B.P.H.(University of Kentucky)

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TVAI, RAJAN, Associate Professor of Mathematics and Engineering (2001), Ph.D. (Massachusetts Institute of Technology)

ULABELE, KUPALAPALE, Assistant Professor of Mathematics and Mechanical and Aerospace Engineering (1984), B.A., M.S., Ph.D. (Indian Institute of Technology)

ULLJELU, RANI, Associate Lecturer of Biology (1999), B.S., M.S., Ph.D. (University of Madras, India)

VALDES, ANNA, Instructor, College of Education & Human Performance (2006), B.A. (University of Central Florida)

VALDEZ, CARLOS, Lecturer of Marketing (2010), B.S., M.B.A., Master in Marketing, Ph.D. (Tecnologico de Monterrey at Monterrey Mexico)

VAN DER MARK, HENRY, Instructor, College of Education & Human Performance (2006), B.S., M.S., Ed.D. (University of Central Florida)


VAN NIEKERK, MATHILDA, Assistant Professor of Hospitality Management (2012), B.A., B.A. (Hons), M.A., Ph.D. (North-West University in South Africa)

VAN STRYLAND, ERIC W., Professor of Optics, Physics, Ph.D. (1987), M.S., Ph.D. (University of Arizona)

VANRYCKEGHEM, MARTINE, Assistant Professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Southern Illinois University at Carbondale)

VAN DER MEER, WOUTERS, Assistant Professor of Hospitality Management (2006), B.A., M.A., Ph.D. (University of Central Florida)

VAN DER MEER, WOUTERS, Assistant Professor of Hospitality Management (2006), B.A., M.A., Ph.D. (University of Central Florida)

VAN DER MEER, WOUTERS, Assistant Professor of Hospitality Management (2006), B.A., M.A., Ph.D. (University of Central Florida)
PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PAWLAS, GEORGE E., Professor Emeritus, College of Education & Human Performance (1991), B.S., Ed.D. (University of South Carolina)

PET-ARMACOST, JULIA, Professor Emerita, Associate Dean for Planning and Knowledge Management, College of Medicine (1991), Ph.D. (Case Western Reserve University)

PHILLIPS, RONALD L., Professor Emeritus of Engineering and Mathematics (1972), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E., M.M. (Indiana University)

PLATT, JENNIFER C., Professor Emerita, College of Education & Human Performance (1985), B.S., M.S., Ed.D. (West Virginia University)

PRIEDT, ROBERT D., Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRIOR, ALBERT, Professor Emeritus of Communication (1972), B.S., M.A., Ph.D. (University of Michigan)

PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)


ROHTER, FRANK D., Professor Emeritus, College of Education & Human Performance (1969), B.S., M.Ed., Ph.D. (University of Southern California)

ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)

SALTER, JOHN H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)

SCHIFFHORST, JERALD J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)


SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SILFVAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SMITH, FRANCES B., Associate Professor Emerita of Nursing (1979), R.N., Ed.D. (Florida State University)

SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.S.C., Ph.D. (University of North Carolina)

SORG, STEVEN E., Associate Professor Emeritus, College of Education & Human Performance (1976), B.S., M.S., Ph.D. (Florida State University)

STEARMAN, ALLYN M., Professor Emeritus of Optics (1980), B.S., M.S., Ph.D. (University of Toronto)

STOUT, I. JACK, Professor Emeritus of Chemistry (1972), B.S., M.S., Ph.D. (Washington State University)

SWEENEY, MICHAEL J., Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

SWEET, HAVEN C., Professor Emeritus of Biology (1979), B.S., M.A., Ph.D. (Florida State University)

TAYLOR, JAMES S., Professor Emeritus of Civil, Environmental, and Construction Engineering (1972), B.S., M.A., Ph.D. (Florida State University)

TAYLOR, WALLER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)

Tzanat, NIKOLAOS S., Professor Emeritus of Electrical and Computer Engineering (1986), B.E., M.E.E., Ph.D. (Johns Hopkins University)


WALLACE, RONALD L., Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)

WHITE, ROSEANN S., Professor Emerita of Molecular Biology and Microbiology, and Associate Director of Burnett School of Biomedical Sciences (1969), Ph.D. (University of Texas S.W. Medical School)


WYCOFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)


YOUSEF, YOUSSEF A., Professor Emeritus of Civil, Environmental, and Construction Engineering (1970), B.S.E.C., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)
<table>
<thead>
<tr>
<th>Name</th>
<th>School/Credit</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>OCONNELL, STEPHEN</td>
<td>University of Central Florida</td>
<td>Systems Director, UCF Technology Incubator</td>
</tr>
<tr>
<td>MASSEY, KIMYA</td>
<td>(Michigan State University)</td>
<td>Director, Academic Services for Student Athletes</td>
</tr>
<tr>
<td>McCloud, REBEKAH</td>
<td>(University of Central Florida)</td>
<td>Director, Student Development and Enrollment Services</td>
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<tr>
<td>MEALOR, DAVID</td>
<td>(University of Central Florida)</td>
<td>Professor and Associate Vice President, UCF Sanford</td>
</tr>
<tr>
<td>MERCK II, WILLIAM F.</td>
<td>(University of Central Florida)</td>
<td>Vice President, Administration and Finance and CFO</td>
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<td>MESSINA, THOMAS</td>
<td>(Georgia State University)</td>
<td>Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association</td>
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<tr>
<td>MOURG, JEFFERY</td>
<td>(American Military University)</td>
<td>Director, Emergency Management</td>
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<tr>
<td>NEIGHBOR, J. EDWARD</td>
<td>University of Central Florida</td>
<td>Director, Space Planning &amp; Analysis and Professor of Physics</td>
</tr>
<tr>
<td>MORRISON, CLIFTON</td>
<td>(Massachusetts Institute of Technology)</td>
<td>Director, UCF Technology Incubator &amp; Sorority Housing and Development</td>
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<td>MASON, BOB</td>
<td>(University of Central Florida)</td>
<td>Director, Facilities Planning and Construction</td>
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<td>(University of Central Florida)</td>
<td>Director, Fraternity &amp; Sorority Housing and Development</td>
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<td>MORGAN, GEORGE</td>
<td>(Emory Riddle Aeronautical University)</td>
<td>Director, Academic Resource Center and University Testing Center</td>
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<td>MEYER, ADAM</td>
<td>(Saint Louis University)</td>
<td>Director, Student Disability Services</td>
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<td>MISHA, AARON</td>
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<td>Director IT Services, UCF Regional Campuses</td>
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<td>(University of Central Florida)</td>
<td>Director, Academic Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering &amp; Management Systems</td>
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<td>MOLLER, THOMAS</td>
<td>(University of Central Florida)</td>
<td>Associate Vice President, Sustainability Initiatives</td>
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<td>MUNN, STEPHEN</td>
<td>(University of Central Florida)</td>
<td>Director, First Year Advising and Exploration</td>
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<td>MOYER, DAVID</td>
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<td>Assistant Vice President</td>
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<td>PAYNE, RICHARD S.</td>
<td>(University of Central Florida)</td>
<td>Assistant Vice President, Budgets and Administration</td>
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<td>PETKOV, ANA</td>
<td>(Pittsburgh State University)</td>
<td>Director, Constituent Relations</td>
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<td>PHILLIPS, RICHARD</td>
<td>(University of Utah)</td>
<td>Director, Activity and Service Fee Business Office</td>
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<td>PIZAM, ABRAHAM</td>
<td>(University of Central Florida)</td>
<td>Dean, Rosen College of Hospitality Management</td>
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<td>PITMAN, JOHN C.</td>
<td>(University of Central Florida)</td>
<td>Associate Vice President for Administration and Finance</td>
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<td>PRESTON, MICHAEL</td>
<td>(Southern Illinois University)</td>
<td>Director, Office of Student Involvement</td>
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<td>PRIEST, DeLAINE</td>
<td>(University of Central Florida)</td>
<td>Associate Vice President, Student Development and Enrollment Services</td>
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<td>PYLES, MARVIN</td>
<td>(University of Alabama at Birmingham)</td>
<td>Associate Vice President for Administration and Finance</td>
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<td>RANGE, ANTHONY</td>
<td>(University of Maryland)</td>
<td>Assistant Vice President, Neighborhood Relation and Safety Education</td>
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<tr>
<td>REDDICK, ALZO J.</td>
<td>(University of Kansas)</td>
<td>Director, Special Programs and Defense Transition Services</td>
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<td>REED, HAL C.</td>
<td>(University of Central Florida)</td>
<td>Assistant Vice President for Planned Giving</td>
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<tr>
<td>RIVERS, CECELIA H.</td>
<td>(University of Kansas)</td>
<td>Professor, UCF Leesburg, UCF Owasso, and UCF South Lake, UCF Regional Campuses</td>
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<tr>
<td>ROBINSON, GREGORY</td>
<td>(University of Central Florida)</td>
<td>Director, Purchasing</td>
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<td>ROSS, S. M.</td>
<td>(University of Central Florida)</td>
<td>Professor, Human Resources and Chief Human Resources Officer</td>
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<td>SCHELL, JOHN F.</td>
<td>(University of Central Florida)</td>
<td>Vice President and Chief of Staff Office of the President, and Professor of English</td>
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<td>SCHNEIDER, KIMBERLY</td>
<td>(University of South Carolina)</td>
<td>Director, Undergraduate Research</td>
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<td>SCHON, EDWARD L.</td>
<td>(University of Central Florida)</td>
<td>Director, University Economic Development, University Relations</td>
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<tr>
<td>SHINER, LAUREN A.</td>
<td>(Valdosta State University)</td>
<td>Assistant Vice President for Advancement Services</td>
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<td>SHIRER, MARION J.</td>
<td>(University of Central Florida)</td>
<td>Associate Vice President, Director, College of Nursing</td>
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<td>SINGH, KRISHNA</td>
<td>(University of Central Florida)</td>
<td>Director, Parking and Transportation Services</td>
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<td>SNOW, ROBERT</td>
<td>(Shippensburg University Pennsylvania)</td>
<td>Director, Sophomore and Second Year Center</td>
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<td>SOLIEAU, MARION N.</td>
<td>(University of Central Florida)</td>
<td>Associate Vice President</td>
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<tr>
<td>STANSBURY, TODD</td>
<td>(University of Central Florida)</td>
<td>Vice President and Director of Athletics</td>
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<td>STEBBINS, CONSELIO E.</td>
<td>(University of Central Florida)</td>
<td>Interim Director, Assistant Vice President Emeritus, Office of International Studies</td>
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<tr>
<td>SULLIVAN, LINDA</td>
<td>(University of Central Florida)</td>
<td>Director, Enterprise Decision Support</td>
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<td>SWEENEY, MICHAEL J.</td>
<td>(University of Central Florida)</td>
<td>Director, Special Programs and Professor Emeritus</td>
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<td>THACKER, LINDA BRADLEY</td>
<td>(Florida State University)</td>
<td>Assistant Vice President and Director, UCF Daytona Beach</td>
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<td>THOMAS, GREGORY</td>
<td>(University of Central Florida)</td>
<td>Director, Purchasing</td>
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<td>TRIVEDI, SHREYA</td>
<td>(University of Central Florida)</td>
<td>Ombuds Officer</td>
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<td>VAIYADYANATH, PALLAVOOR N.</td>
<td>(University of Florida)</td>
<td>Assistant Vice President for Research</td>
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<tr>
<td>WADE, CURTIS</td>
<td>(Michigan State University)</td>
<td>Director, Sustainability and Energy Management</td>
</tr>
<tr>
<td>WANG, ALVIN Y.</td>
<td>(University of New York at Stony Brook)</td>
<td>Dean of Burnett Honors College and Professor of Psychology</td>
</tr>
<tr>
<td>WANG, WEI</td>
<td>(University of Central Florida)</td>
<td>Assistant Professor of Psychology</td>
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<td>WEIDHARDT, DIANA</td>
<td>(State University of New York)</td>
<td>Director, Transition Services</td>
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<td>WEIDIMAN, DIANA</td>
<td>(Loyola University of Chicago)</td>
<td>Director, Enrollment Services</td>
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<td>WILKING, JAMES</td>
<td>(University of Cincinnati)</td>
<td>Director, Recreation and Wellness Center</td>
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<td>WINTER, DEBRA Y.</td>
<td>(University of Central Florida)</td>
<td>Director, Office of Graduate Financial Assistance and Publications</td>
</tr>
<tr>
<td>WRIGHT, JENNIFER</td>
<td>(Appalachian State University)</td>
<td>Director, Integrity and Ethical Development</td>
</tr>
<tr>
<td>YANCKELLO, ROBERT</td>
<td>(Pennsylvania State University)</td>
<td>Director, Computer Services and Telecommunications</td>
</tr>
<tr>
<td>YOUNG, CYNTHIA</td>
<td>(Pennsylvania State University)</td>
<td>Interim Vice Provost, Associate Dean of College of Science and Professor of Mathematics</td>
</tr>
<tr>
<td>YOUNG, DENISE L.</td>
<td>(University of Michigan)</td>
<td>Associate Vice President, Director UCF Cocoa and UCF Palm Bay</td>
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**University of Central Florida**

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### HONORARY DEGREES AWARDED

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Degree</th>
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<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
<td></td>
</tr>
<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
<td></td>
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<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
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<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
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<tr>
<td>December 1979</td>
<td>Joseph Daniel Duffy, Doctor of Humane Letters</td>
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<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</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>April 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td>John Duda, Doctor of Agricultural Service</td>
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<td></td>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
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<tr>
<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>William E. Davis, Doctor of Public Service</td>
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<td>Charles Wadsworth, Doctor of Public Service</td>
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<tr>
<td>December 1984</td>
<td>Allan E. Gotlieb, Doctor of Laws</td>
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<tr>
<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>Jerry Collins, Doctor of Public Service</td>
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<td></td>
<td>D. Robert Graham, Doctor of Public Service</td>
<td>Walter O. Lownie, Doctor of Engineering Science</td>
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<td>William C. Schwartz, Doctor of Engineering Science</td>
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<tr>
<td>March 1986</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
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<tr>
<td>October 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
<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>
<td>Charles N. Millican, Doctor of Laws</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>May 1995</td>
<td>Norman R. Augustine, Doctor of Engineering Science</td>
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<td>December 1995</td>
<td>Jesse Stone, Doctor of Humane Letters</td>
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<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<td>Richard A. Nunis, Doctor of Public Service</td>
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<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
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<td>August 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
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<td>December 1999</td>
<td>Reubin Askew, Doctor of Public Service</td>
<td>Desmond Tutu, Doctor of Humane Letters</td>
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<td>May 2000</td>
<td>Lofli Zadeh, Doctor of Science</td>
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<td>May 2001</td>
<td>James Bacchus, Doctor of Public Services</td>
<td>Richard M. Karp, Doctor of Science</td>
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<td>Joseph F. Traub, Doctor of Science</td>
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<td>June 1979</td>
<td>LeRoy T. Walker Sr., Doctor of Public Service</td>
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</tr>
<tr>
<td>May 2002</td>
<td>Richard M. DeVos, Sr., Doctor of Commercial Science</td>
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<td>October 2002</td>
<td>Albert Burnett, Doctor of Commercial Science</td>
<td>Nancy Burnett, Doctor of Commercial Science</td>
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<td>May 2005</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Science</td>
<td>Rita Bornstein, Doctor of Humane Letters</td>
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<td>December 2002</td>
<td>Robert E. Kahn, Doctor of Science</td>
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<td>December 2004</td>
<td>G. Vince Amico, Doctor of Science</td>
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<td>May 2005</td>
<td>Charles Hard Townes, Doctor of Science</td>
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<td>May 2009</td>
<td>Howard Lance, Doctor of Science</td>
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<td>December 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
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<td>December 2011</td>
<td>James A. Hinson, Doctor of Public Service</td>
<td>Sanford Shugart, Doctor of Humane Letters</td>
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<td>December 2014</td>
<td>Alan Ginsburg, Doctor of Public Service</td>
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<tr>
<td>December 2016</td>
<td>Richard Walsh, Doctor of Commercial Science</td>
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</tbody>
</table>

*President John C. Hitt with Dr. Phyllis A. Klock*
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university.

A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.ades.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

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.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are thirteen colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), Undergraduate Studies, and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (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 toward the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation who fails to achieve a minimum 2.0 UCF GPA during a subsequent term is disqualified. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA during a subsequent term is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount in 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.

FYAE: First Year Advising and Exploration.

FYE: First Year Experience.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student's academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator," this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). Certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor's degree program or major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, personal identification and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent/mailing addresses; search for courses each term; register, drop/add and access courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the NID (Network Identification Number). Each time you use the NID to enter myUCF, you also will enter your password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student's UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RCHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore and Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar's Office.

TSD: Accelerated education opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (UCF Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.