The UCF Creed

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

Integrity
I will practice and defend academic and personal honesty.

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

I hope you are excited about the new academic year and the many opportunities that await you at UCF. Work hard in your classes and participate fully in extra-curricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

A college education is all about learning, and excellent learning occurs in our classrooms, laboratories, and studios. But you will also learn important lessons when you volunteer to tutor grade-school students, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

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

Take pride in yourself. 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.

You have my best wishes for success during this coming year. UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 188,000 alumni whose lives have been changed by their UCF experience.

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

Cordially yours,

John C. Hitt
President
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<td>Joel L. Hartman</td>
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</tr>
<tr>
<td>Interim Provost, Space Planning, Analysis and Administration</td>
<td>John E. Neighbor</td>
<td></td>
</tr>
<tr>
<td>Interim Provost and Dean, College of Graduate Studies</td>
<td>Ross Hinkle</td>
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<tr>
<td>Interim Provost and Dean, Office of Undergraduate Studies</td>
<td>Elliot Vettes</td>
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<tr>
<td>President, Residential Campuses</td>
<td>Joyce Dorner</td>
<td></td>
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<tr>
<td>Associate Provost</td>
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<td>Associate General Counsel</td>
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<tr>
<td>Interim Associate Provost, Faculty Affairs</td>
<td>Lynne Brodie</td>
<td></td>
</tr>
<tr>
<td>Associate Provost, Budget and Personnel Administration</td>
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<tr>
<td>Assistant Vice President, Center for Distributed Learning</td>
<td>Thomas Cavanagh</td>
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<tr>
<td>Assistant Vice President, Internationalization</td>
<td>Consuelo E. Stephens</td>
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<tr>
<td>Chief Technology Officer, Computer Services and Telecommunications</td>
<td>Robert Yanckello</td>
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</tbody>
</table>
Assistant Vice President, Human Resources and Chief HR Officer ................................. Mark Roberts
Assistant Vice President, Finance and Controller ......................................................... Tracy Clark
Assistant Vice President, Safety and Security and Chief of Police ............................ Richard Beary
Assistant Vice President, Business Services ................................................................. Curt Sawyer
Assistant Vice President, Debt Management ............................................................... John Pittman
Executive Director, Facilities and
Director, Sustainability and Energy Management ......................................................... David Norvell
Director, Facilities Operations ....................................................................................... Montel Watson
Director, and Social Services ....................................................................................... Patrick Bohlen
Director, Parking and Transportation Services ............................................................. Kris Singh
Director, Purchasing ..................................................................................................... Gregory Robinson
Interim Director, Environmental Health and Safety ..................................................... John Jackson
Interim Director, Facilities Planning ................................................................................ James Davis

Office of the Vice President for Research & Commercialization
Vice President, Research & Commercialization ............................................................. M. J. Soileau
Associate Vice President, Research & Commercialization ........................................... Tom O’Neal
Assistant Vice President .................................................. Pallavoor N. Vaidyanathan
Interim Assistant Vice President ................................................................................ Michael Georgiopoulos
Director, Marketing/Communications .......................................................................... Barbara Abney

Office of the Vice Provost and Dean of Graduate Studies
Interim Vice Provost and Dean, Graduate Studies ......................................................... C. Ross Hinkle
Senior Associate Dean, Graduate Studies .................................................................... Max Poole
Associate Dean, Financial Support ............................................................................... Michael Stern
Assistant Dean, Graduate Studies .................................................................................. Tracy R. Jones
Director, Office of Admissions ....................................................................................... Barbara Rodriguez
Director, Office of Graduate Financial Assistance ......................................................... Debra Winter

Office of the Vice Provost for Regional Campuses Administration
Associate Vice President, Academic Initiatives ............................................................ Steve Holmes
Associate Vice President, Administrative Affairs .......................................................... Tami McNally
Associate Vice President, Enrollment Services and Marketing .................................... Angela Peterson
Associate Vice President, UCF Cocoa and Palm Bay ................................................... Denise Young
Assistant Vice President, UCF Daytona ......................................................................... Linda Bradley
Associate Vice President, UCF Seminole ..................................................................... David J. Mealer
Associate Vice President, UCF Valencia ...................................................................... Joyce Orner
Assistant Vice President, UCF South Lake, Ocala and Leesburg ................................ Cecilia H. Rivers

Office of the Provost and Dean of Undergraduate Studies
Interim Vice Provost and Dean ..................................................................................... Elliot Vittes
Interim Associate Dean/Director, Academic Services ................................................ Heath Martin
Director, McNair Scholars Program and Research and Mentoring Program ................ Michael Aldarondo-Jeffries
Director, Office of Experiential Learning ..................................................................... Sheri Dressler
Director, Office of Interdisciplinary Studies ................................................................ Michael Hampton
Director, Office of Pre-Professional Advising (OPPA) .................................................. Bernard Mackey
Director, Office of Undergraduate Research ................................................................ Kimberly Schneider

Colleges, Schools, and Departments

Burrn-Honors College
Dean ................................................................................................................................. Alvin Wang
Associate Dean ............................................................................................................... Martin Dupuis
Director, Accounting ...................................................................................................... Lesanne Brunwidth
Director, Advising ......................................................................................................... Rex Roberts
Director, Information Systems ..................................................................................... Michael Callahan
Director, Prestigious Awards ....................................................................................... Nicole Gelfert
Director, Research and Civic Engagement ................................................................... Kelly Astro
Director, Student Affairs ............................................................................................... Jill Norburn
Director, Student Services ............................................................................................ Madi Dogaru

College of Arts and Humanities
Dean ................................................................................................................................. José Fernandez
Associate Dean ............................................................................................................... Lynn Hepner
Associate Dean ............................................................................................................... Nancy Stanlick
Interim Director, School of Visual Arts and Design ....................................................... Paul Lartonoix
Director, CAH Student Advising (CAHSA) ................................................................. Delia Garcia
Director, School of Performing Arts ............................................................................... TBA
Chair, English ................................................................................................................ John Sacher
Chair, Modern Languages and Literatures ..................................................................... Paul Guenther
Chair, Music ................................................................................................................... Jeffrey Moore
Chair, Philosophy .......................................................................................................... Bruce Janz
Chair, Theatre ................................................................................................................ Christopher Niess
Chair, Writing and Rhetoric ............................................................................................ David L. Wallace

College of Business Administration
Dean ................................................................................................................................. Paul Jarley
Associate Dean ............................................................................................................... Tracey Clark
Associate Dean ............................................................................................................... E. Taylor Ellis
Interim Associate Dean ................................................................................................. Ken Robbins
Director, Kenneth G. Dixon School of Accounting ....................................................... Sean Robb
Chair, Engineering ......................................................................................................... Mark Dickie
Chair, Management ....................................................................................................... Steven Goodman
Chair, Marketing ............................................................................................................ Ronald E. Michaels

College of Education
Dean ................................................................................................................................. Sandra L. Robinson
Executive Associate Dean ............................................................................................. TBA
Associate Dean ............................................................................................................... TBA
Co-Director, School of Teaching, Learning and Leadership ............................................ Karen L. Biramah
Co-Director, School of Learning and Leadership ............................................................ Michael Hynek
Director, Clinical Experiences ....................................................................................... Bryan Ziegler
Director, Graduate Services ......................................................................................... Andrea Withington
Director, Undergraduate Services and Academic Advising Center .............................. Sandra L. Bulger
Chair, Child, Family and Community Sciences ............................................................. Jay R. Hoffman
Chair, Educational and Human Sciences ..................................................................... Edward "Mike" Robinson

College of Engineering and Computer Science
Dean ................................................................................................................................. Marvin Simaan
Director, College Honors Programs ............................................................................. Charles Reilly
Associate Dean, Research and Administration ............................................................ Louis Chow
Associate Dean, Distributed and Distance Learning ................................................... Alfred Ducharme
Director, Academic Affairs ......................................................................................... Melissa A. Dayley
Director, Diversity and Inclusion ................................................................................ Ola Nnadi
Interim Chair, Civil, Environmental, and Construction Engineering ........................ Essam Radwan
Chair, Computer Science Division ............................................................................. Gary T. Leavens
Chair, Mechanical and Materials Engineering Division ............................................. Xiahua Qu
Chair, Industrial Engineering and Management Systems ............................................. Waldemar Korzybski
Chair, Mechanical, Materials, and Aerospace Engineering ......................................... Suhada Jayasurya
Chair, Air Force ROTC (Aerospace Studies) ................................................................. Col. Michael J. Chandler
Chair, Army ROTC (Military Science) ......................................................................... LTC Sean Morgan

College of Health and Public Affairs
Dean ................................................................................................................................. Michael L. Frumkin
Associate Dean, Academic Affairs and Technology ..................................................... Ronnie Korosec
Associate Dean, Research and Administration ............................................................. Thomas Wan
Associate Dean, Student/Personnel Office .................................................................. Melvin Rogers
Associate Dean ............................................................................................................... Pamela E. Kirby
Director, School of Social Work ................................................................................... John Romnau
Interim Director, Graduate Student Services .................................................................. Mandy Rente
Chair, Communication Sciences and Disorders ............................................................ TBA
Chair, Criminal Justice ................................................................................................. Robert Langworthy
Chair, Health Management and Informatics .................................................................. TBA
Interim Chair, Health Professions ............................................................................... Kristen Schellhase
Chair, Legal Studies ...................................................................................................... James Beckman
Chair, Public Administration ......................................................................................... Mary Ann Feldheim

College of Medicine
Vice President for Medical Affairs and Dean ............................................................... Deborah C. German
Associate Dean, Faculty and Academic Affairs ............................................................ Richard Pepper
Associate Dean, Undergraduate Medical Education .................................................... Lori Boardman
Associate Dean, Undergraduate Medical Education .................................................... Lori Boardman
Interim Director, Burnett School of Biomedical Sciences ............................................ Richard Pepper
Director, Pre-Health Professions Advisement Office .................................................. Genaro Lopez
Associate Director, Academic Affairs (Burnett School) ................................................ Roseann White
Senior Director, Facilities (Burnett School) ................................................................... Robert Koepfer
Associate Director, Research (Burnett School) .............................................................. Sampath Parthasarathy
Chair, Clinical Sciences ............................................................................................... Ralph Caruana
Chair, Medical Education ............................................................................................ David Balkwill

College of Nursing
Dean ................................................................................................................................. John Leuner
Associate Dean, Undergraduate Affairs ....................................................................... Linda Hennig
Associate Dean, Graduate Affairs ................................................................................ Susan Chase

College of Optics and Photonics
Dean ................................................................................................................................. Bahaa Saleh

College of Sciences
Dean ................................................................................................................................. Michael Johnson
Associate Dean ............................................................................................................. Jack M. McGuire
Associate Dean ............................................................................................................. Heiner Lenze
Associate Dean ............................................................................................................. Cynthia Young
Assistant Dean ................................................................................................................ Teresa Dorman
Director, Nicholson School of Communication ......................................................... Robert C. Chandler
Director, Undergraduate Services (Academic Services) .............................................. Lee Anne Kirkpatrick
Chair, Anthropology ..................................................................................................... Arlen F. Chase
Chair, Biology ................................................................................................................ C. Ross Hinkle
Chair, Chemistry .......................................................................................................... Kevin D. Selfeld
Chair, Mathematics ....................................................................................................... Piotr Mikusinski
Chair, Physics ................................................................................................................ Talat Rahman
Chair, Physical Science ................................................................................................. Kevin D. Selfeld
Chair, Psychology ......................................................................................................... Jeffrey Cassisi
Chair, Sociology ............................................................................................................. Jana Jasinski
Chair, Statistics ............................................................................................................. David M. Nickerson

Rosen College of Hospitality Management
Dean ................................................................................................................................. Abraham Pizar
Associate Dean ............................................................................................................... Tatayuki Hayata
Associate Dean ............................................................................................................. Youcheng Wang
## SUMMER 2012 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th></th>
<th>Session A May 14 - June 22 6 Weeks</th>
<th>Session B June 25 - August 3 6 Weeks</th>
<th>Session C May 14 - August 3 12 Weeks</th>
<th>Session D May 14 - July 13 9 Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>April 2</td>
<td>April 2</td>
<td>April 2</td>
<td>April 2</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>Graduation Application</td>
<td>Mar. 5 - Apr. 27</td>
<td>Mar. 5 - Apr. 27</td>
<td>Mar. 5 - Apr. 27</td>
<td>Mar. 5 - Apr. 27</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>April 27</td>
<td>June 15</td>
<td>April 27</td>
<td>N/A</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 11</td>
<td>June 22</td>
<td>May 11</td>
<td>May 11</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 11</td>
<td>June 22</td>
<td>May 11</td>
<td>May 11</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 13</td>
<td>June 23</td>
<td>May 13</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 14</td>
<td>June 25</td>
<td>May 14</td>
<td>May 14</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 17</td>
<td>June 28</td>
<td>May 17</td>
<td>May 17</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 14-18</td>
<td>June 25 - June 29</td>
<td>May 14-18</td>
<td>May 14-18</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 17</td>
<td>June 28</td>
<td>May 17</td>
<td>May 17</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>May 25, 2011 - Students registering from 3/19/12 through 5/18/12</td>
<td>July 6, 2011 - Students registering for Summer B only 5/19/12 through 6/29/12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 7</td>
<td>July 19</td>
<td>July 2</td>
<td>June 19</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 7</td>
<td>July 19</td>
<td>July 2</td>
<td>June 19</td>
</tr>
<tr>
<td>Last Day to Reinstatate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 15</td>
<td>July 27</td>
<td>June 15</td>
<td>June 15</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>June 22</td>
<td>August 3</td>
<td>August 3</td>
<td>July 13</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 23</td>
<td>August 3</td>
<td>August 3</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 27</td>
<td>August 8</td>
<td>August 8</td>
<td>July 18</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>June 28</td>
<td>August 10</td>
<td>August 10</td>
<td>July 19</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 4</td>
<td>August 4</td>
<td>August 4</td>
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</table>

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

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

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

1 $100 Late Registration Fee applies to students who 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 28, 2012
- **Independence Day Holiday** ...................................................... July 4, 2012
<table>
<thead>
<tr>
<th>Event/Deadline</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 3, 2012</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2012</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2012</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 2</td>
<td>November 1, 2012</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2012</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 25 - August 3</td>
<td>October 15, 2012 - Dec. 7, 2012</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 3</td>
<td>December 7, 2012</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 17</td>
<td>January 4</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 17</td>
<td>January 4</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>August 17</td>
<td>January 5</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 20</td>
<td>January 7</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 20-24</td>
<td>January 7-11</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 23</td>
<td>January 10</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>August 23</td>
<td>January 10</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>August 31</td>
<td>January 18</td>
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<tr>
<td>Academic Advising Weeks</td>
<td>October 8-19</td>
<td>October 8-19, 2012</td>
</tr>
<tr>
<td>Last Day to Reinstatement Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 29</td>
<td>March 11</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 29</td>
<td>March 11</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 29</td>
<td>March 11</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>November 16</td>
<td>March 29</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 3</td>
<td>April 22</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 5-11</td>
<td>April 24-30</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 12</td>
<td>May 1</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 14</td>
<td>May 3</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 14</td>
<td>May 3</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 14-15</td>
<td>May 2-4</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 18</td>
<td>May 6</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 2012, Fall 2012 and Spring 2013 beginning February 27, 2012. Registration for these students will begin on or after March 19, 2012. All other eligible students will receive their registration times beginning October 8, 2012 and Spring registration for these students will begin on or after October 22, 2012.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event/Deadline</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 3, 2012</td>
<td></td>
</tr>
<tr>
<td>Main Campus and Research Park classes end at 12:00 p.m. No afternoon or evening classes.</td>
<td>October 4, 2012</td>
<td></td>
</tr>
<tr>
<td>(Campus closes 12:30 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regional and Rosen Campus classes end at 2:50 p.m. No evening classes. (Campuses close 3:00 p.m.)</td>
<td>October 4, 2012</td>
<td></td>
</tr>
<tr>
<td>Main, Regional, Research Park, and Rosen classes resume (7:00 a.m.)</td>
<td>October 5, 2012</td>
<td></td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 26 - November 4, 2012</td>
<td></td>
</tr>
<tr>
<td>Homecoming Game - vs. SMU.</td>
<td>November 3, 2012</td>
<td></td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 12, 2012</td>
<td></td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 22-24, 2012</td>
<td></td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 21, 2013</td>
<td></td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 4-9, 2013</td>
<td></td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 3, 2013</td>
<td></td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement

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

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

Non-Discrimination Policy (including sexual harassment)

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

Sexual harassment, a form of sex discrimination, is defined as unwel-
come sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Employees, students, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. The office is located on the Orlando campus, in 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, posses-

sion 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 suspension/treatment for drug or alcohol disorder and/or for disciplinary action up to and including ter-

mination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

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

session and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 for further information.

Guidelines

The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age. Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special 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 permit-
ted in licensed areas by licensed on-campus distributors.

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

The serving, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohib-

ited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall fol-

low guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event where alcoholic beverages are present in non-licensed campus locations must be obtained from the Director of Student Leadership Programs. The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; date, begin-

ning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/ under age; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups

When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services. For the complete and definitive version of the Drug-Free Workplace/ Drug-Free Schools Policy Statement, please go to: http://www.goldenrule.sdes.ucf.edu.

Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Academic Misconduct includes action is not limited to cheating, plagiarism, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate 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 breaches 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.” The instructor may also choose to assign 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. Additionally, the instructor may request disciplinary action through the Office of Student Rights and Responsibilities, which may result in additional punitive and education sanctions, as outlined in The Golden Rule Student Handbook.

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

All UCF students should expect to use a personal computer in many University activities, including course work, 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 Knight’s EMail accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University’s Website at http://cstore.ucf.edu/graphics/ComputerRecommendations.pdf.

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

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

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

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

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

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

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

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

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

College/Discipline

<table>
<thead>
<tr>
<th>Arts and Humanities</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Music, Music Education</td>
<td>National Association of Schools of Music (NASM)</td>
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<tr>
<th>Business Administration (all disciplines)</th>
<th>Accrediting Body</th>
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<tr>
<td></td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International)</td>
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<tr>
<th>Education (all programs leading to initial teacher certification)</th>
<th>Accrediting Body</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)</td>
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<thead>
<tr>
<th>Engineering and Computer Science</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Aerospace, Civil, Computer, Construction</td>
<td>Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Electrical, Environmental, Industrial, Mechanical Engineering</td>
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<tr>
<td>Computer Science</td>
<td>Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
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<tr>
<th>Health and Public Affairs</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Athletic Training</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE)</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>Association of University Programs in Health Administration (AUPHA)</td>
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<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE)</td>
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<thead>
<tr>
<th>College of Medicine - Burnett School of Biomedical Sciences</th>
<th>Accrediting Body</th>
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</thead>
<tbody>
<tr>
<td>Medical Laboratory Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
</tr>
<tr>
<td>Nursing Education (CCNE), Florida Board of Nursing</td>
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<table>
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<tr>
<th>Sciences</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>American Chemical Society (ACS) Committee on Professional Training</td>
</tr>
</tbody>
</table>

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

UCF Stands For Opportunity: The University of Central Florida is a major metropolitan research university located in one of the most popular cities in the world. UCF is comprised of 12 colleges supporting more than 58,000 students who attend classes on UCF’s main campus in Orlando and 10 regional campuses.

A growing and dynamic university, UCF opened the College of Medicine in 2009, and it is the centerpiece of the burgeoning medical city at Lake Nona. In 2010, UCF opened the School of Performing Arts in the new on-campus Performing Arts Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation’s highest designation in two categories: community engagement and research activity.

UCF offers more than 200 degree programs and is an academic and research leader in numerous fields, such as optics; modeling and simulation; engineering and computer science; business administration; education; the sciences including biomedical sciences; hospitality management; and digital media. In 2010-11, UCF awarded $408 million in financial aid to students.

UCF annually ranks in the top 5 universities nationwide for the number of National Merit Scholars in its freshman class with the vast majority enrolled in the Burnett Honors College.

The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services.

The Student Union has computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments, and a small shopping mall. Students also enjoy a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment.

The main campus features 800 acres of natural ecosystems resulting in habitats for more than 45 unique animal species. Housing includes on-campus residence halls and affiliated apartments for almost 8,000 students. And the 10,000-seat UCF Arena and a 45,000-seat on-campus football stadium opened in 2007.

UCF promotes a diverse and inclusive environment. Students come from all 50 states and over 140 countries. Study abroad programs allow students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recognized throughout the world and include recipients of Rhodes, Mellon, and Goldwater scholarships.

UCF regularly surpasses $100 million in annual research funding, and the university has earned more than $1.1 billion in research-related funding since 2000. Distinctive programs extend learning beyond the classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning, and paid research positions.

The Knights will begin competing athletically in the BIG EAST in 2013, research positions.

VIDEO STREAMING (V): These are courses delivered over the web via streaming 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.

Complete listings of all fully and partially web-based classes from the class schedule are also excerpted and available on the Learning Online website at http://learnc.ucf.edu. 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 Firefox, basic web-browsing knowledge, ability to use email, and basic computer skills such as word processing.

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

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community/state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 26 Bachelor’s programs, 16 minors, 8 master’s degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance and Advising professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Oceola, and UCF Ocala. Times and dates for all courses are listed online prior to registration each term and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and Brevard Community College, Lake Sunter Community College, Seminole State College and Valencia College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines.

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Facilities Scheduler .................................................. Denise Devlin
Coordinator, Statistical Research ................................. Jeanne Walker
Assistant Vice President, Student Services ....................... A.J. Range
Associate Vice President, Regional Campus Transportation
Admission & Enrollment/Marketing .................................. Angie Peterson
Director, RC Enrollment Services ................................. Deborah Bradford
Marketing Account Executive ...................................... Michelle Fuentes
Web Designer ......................................................... Tony Recascino
College Division IT Manager ....................................... TBA
Senior Multimedia Specialist ..................................... Calston Lwellyn
Director, Academic Advising ....................................... TBA
Director, Academic Support Services ......................... Pam Cavanaugh
Associate Vice President, Business Affairs and Operations ................................................................. David Laney
Administrative Assistant ........................................... Jeanette Holder
Director, Academic Support Services ......................... Joe Schofield
Director, Library Services .......................................... Cynthia Kisky
Senior Art Specialist ............................................... Mary Lou Wade

Campuses
UCF Valencia West, UCF South Orlando, UCF Valencia Osceola
Director, Academic Support Services .............................. Edgar Martinez
Administrative Assistant ........................................... Jacqueline Diaz
Coordinator, Enrollment Services ................................. Shelly Thomas-Small
Associate Director, Academic Support Services ................. Carol Black
Coordinator, Academic Advising Services I .................. Chris Miller
Coordinator, Academic Advising Services II .................... Celena Lue
Coordinator, Academic Advising Services II .................... Lisa Cruz
Coordinator, Academic Advising Services II .................... Melissa Hanbery
Coordinator, Academic Advising Services II .................... TBA

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

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

UCF Cocoa, UCF Palm Bay
Associate Vice President, Cocoa/Palm Bay ..................... Denise Young
Director, Academic Support Services ......................... Lauren Miller
Director, Regional Campus Student Services ................... Randall Brumfield
Coordinator, Regional Campus Student Services ................ James C. Smith, Jr.
Assistant Director, Enrollment Services ......................... Kristina Watkins
Assistant Director, Academic Support Services ................. Nick Pantonio
Coordinator, Enrollment Services ................................. Nick Pantonio
Coordinator, Academic Support Services ......................... Sonya Curts
Coordinator, Academic Advising Services I ............. Angel Edgecombe
Coordinator, Academic Advising Services II ............. Angela Jones
Coordinator, Academic Advising Services I ............. TBA
Coordinator, Academic Advising Services II ............. John King
Coordinator, Academic Advising Services II ............. TBA
Department IT Manager ........................................... Sheryl Schagen

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs ....................... Cecelia Rivers
Director, Academic Support Services .............................. Tanya Torres
Administrative Assistant ........................................... Lita Reyes
Director, Regional Campus Student Services ................... Pamela Brady
Assistant Director, Enrollment Services ......................... Christy Pasinisi
Coordinator, Enrollment Services ................................. Thad Oiler
Coordinator, Academic Advising Services I ............. Angela Cofield
Coordinator, Academic Advising Services II ............. Robin Tinsley
Coordinator, Academic Advising Services II ............. Bethany Larson
Coordinator, Academic Advising Services I ............. Scott Larson
Department IT Manager ........................................... Mei Wong

UCF Cocoa
321-433-7821
(In partnership with Brevard Community College)

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

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Communication Sciences and Disorders
Criminal Justice
English – Creative Writing
Exceptional Education
Health Services Administration
History
Interpersonal/Organizational Communication
Legal Studies
Mass Communication
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

Graduate Degree Programs
Applied Sociology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs

UCF Daytona Beach
386-560-4021
(In partnership with Daytona State College)

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

University of Central Florida/Campuses
### Undergraduate Degree Programs

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

**Undergraduate Degree Programs**
- Applied Science (B.A.S.) Office of Undergraduate Studies
  - Tracks: Criminal Justice, Health Services Administration, Information Technology, Social Work, and Supervision and Administration
- Elementary Education (B.S.) College of Education
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Technical Education and Industry Training (B.S.) College of Education

**Undergraduate Minors**
- Anthropology in Multicultural Studies
- Business (for non-business minors)
- Criminal Justice
- Early Childhood Education
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies

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

**Undergraduate Degree Programs**
- Applied Science (B.A.S.) Office of Undergraduate Studies
  - Tracks: Criminal Justice, Health Services Administration, Information Technology, Social Work, and Supervision and Administration
- Elementary Education (B.S.) College of Education
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Technical Education and Industry Training (B.S.) College of Education

**Undergraduate Minors**
- Anthropology in Multicultural Studies
- Business (for non-business minors)
- Criminal Justice
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies

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

**Undergraduate Degree Programs**
- Applied Science (B.A.S.) Office of Undergraduate Studies
  - Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development and Supervision and Administration
- Elementary Education (B.S.) College of Education (Cohort)
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Psychology (B.S.) College of Sciences
- Technical Education and Industry Training (B.S.) College of Education

**Undergraduate Minors**
- Anthropology in Multicultural Studies
- Business (for non-business majors)
- Criminal Justice
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies

**UCF Palm Bay**
321-433-7838
(In partnership with Brevard Community College)

**Undergraduate Degree Programs**
- Applied Science (B.A.S.) Office of Undergraduate Studies
  - Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
- Business Administration (B.A.) College of Business Administration
- Early Childhood Education (B.S.) College of Education
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Technical Education and Industry Training (B.S.) College of Education

**Undergraduate Minors**
- Anthropology in Multicultural Studies
- Business (for non-business minors)
- Criminal Justice
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies

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**UCF Palm Bay**
321-433-7838
(In partnership with Brevard Community College)

**Undergraduate Degree Programs**
- Applied Science (B.A.S.) Office of Undergraduate Studies
  - Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
- Business Administration (B.A.) College of Business Administration
- Early Childhood Education (B.S.) College of Education
- Health Services Administration (B.S.) College of Health and Public Affairs
- Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
- Technical Education and Industry Training (B.S.) College of Education

**Undergraduate Minors**
- Anthropology in Multicultural Studies
- Business (for non-business minors)
- Criminal Justice
- English – Creative Writing
- Health Services Administration
- History
- Legal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology
- Technical Education and Industry Training
- Women’s Studies
**UCF South Lake**  
352-536-2113  
(In partnership with Lake Sumter Community College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Early Childhood Education (B.S.) College of Education  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A.) Office of Undergraduate Studies  
Political Science (B.A.) College of Sciences  
Psychology (B.S.) College of Sciences  
Sports and Exercise Science (B.S.) College of Education  
Technical Education and Industry Training (B.S.) College of Education  

**Undergraduate Minors**  
Anthropology in Multicultural Studies  
Business (For non-business majors only)  
Criminal Justice  
Early Childhood Education  
English – Creative Writing  
Health Services Administration  
History  
Legal Studies  
Mass Communication  
Political Science  
Psychology  
Sociology  
Technical Education and Industry Training  
Women’s Studies

**UCF South Orlando**  
407-608-1440  
7300 Lake Ellenor Drive, Orlando, FL 32809  
This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

**UCF Valencia Osceola**  
407-582-4190  
(In partnership with Valencia College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies  
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing  
Political Science (B.S.) College of Sciences  
Psychology (B.S.) College of Sciences  
Sociology (B.A.) College of Sciences  
Social Sciences (B.S.) College of Sciences  
Technical Education and Industry Training (B.S.) College of Education  

**Undergraduate Minors**  
Anthropology in Multicultural Studies  
Business (for non-business majors)  
Criminal Justice  
English-Creative Writing  
History  
Legal Studies  
Mass Communication  
Political Science  
Psychology  
Sociology  
Technical Education and Industry Training  
Women’s Studies

**UCF Valencia West**  
407-582-5500  
(In partnership with Valencia College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development and Supervision and Administration  
Architecture (B.D.) College of Arts and Humanities  
Business Administration (B.A.) College of Business Administration  
Criminal Justice (B.A., B.S.) College of Health and Public Affairs  
Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies  
Legal Studies (B.A., B.S.) College of Health and Public Affairs  
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing  
Political Science (B.A.) College of Sciences  
Psychology (B.S.) College of Sciences  
Sociology (B.A.) College of Sciences  
Sociology (B.A.) College of Sciences  
Social Sciences (B.S.) College of Sciences  
Technical Education and Industry Training (B.S.) College of Education  

**Undergraduate Minors**  
Anthropology in Multicultural Studies  
Business (for non-business majors)  
Criminal Justice  
English-Creative Writing  
History  
Legal Studies  
Mass Communication  
Political Science  
Psychology  
Sociology  
Technical Education and Industry Training  
Women’s Studies

**Graduate Degree Programs**  
Business Administration (Cohort, Professional M.B.A. track)  
Criminal Justice (M.S.) College of Health and Public Affairs  
General Regional Campus information:  
Website: [http://www.regionalcampuses.ucf.edu](http://www.regionalcampuses.ucf.edu)  
Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location.  
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 residents.

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

**Endowed Chairs**

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

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

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

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

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

**The Cobb Family Eminent Chair in Optical Sciences and Engineering**: Created in 1988 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: TBA.

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

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

**Al and Nancy Burnett Eminent Scholar Chair in Accounting**: Created in 1989 to support an exceptional faculty member in the School of Accounting. Chair: Robin W. Roberts.

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

**Lockheed Martin Academy in Math and Science Education**: Created in 1992 to stress content enhancement and problem-solving approaches in the teaching of science and mathematics. Chair: Lisa A. Wiant.

**CFHLA Eminent Scholar Chair in Hotel Management**: Created in 2002 to support the teaching and research of an internationally recognized scholar in hotel management. Chair: TBA.

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

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

**William F. Fisher Eminent Scholar Chair in Restaurant Management**: Created in 1990 to support the teaching and research of an internationally recognized scholar in restaurant management. Chair: William Fisher.

**Orange County Convention and Visitors Bureau endowed Chair**: Created in 1996 to support the teaching and research of an internationally recognized scholar in convention management, hospitality and travel industry. Chair: TBA.

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

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

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

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

**Florida Photonics Center of Excellence Eminent Scholar Chair of Nanophotonics**: Created in 2003 to strengthen and support teaching and research in the field of nanophotonics at the College of Optics and Photonics. Chair: Dennis Deppe.

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

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

**Beat M. and Jill L. Kahil Endowed Chair in Nursing Education**: Created in 1998 to support the School of Optics Education in Thin Film Optics. Chair: TBA.

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

**Howard Phillips Eminent Scholar Chair in Real Estate**: Created in 2005, as a key component of the Dr. P. Phillips School of Real Estate. Chair: Randy I. Anderson.

**21st Century Scholar Chair**: Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the College of Optics and Photonics. Chair: TBA.

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

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

**NAIOP Eminent Scholar Chair in Real Estate**: Created in 2005 as a key component of the Dr. P. Phillips School of Real Estate. Chair: Geoffrey K. Turnbull.

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

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

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

**Capital Campaign Engineering Endowed Chair**: Created in 1993 to provide support for a chair in Engineering. Chair: TBA.

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

**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.

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

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

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

**Hugh F. and Jeannette G. McKean Endowed Chair in Nursing**: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: TBA.
University Ombuds Office

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

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator and will listen to concerns, help individuals explore options, offer suggestions and advice, and assist in the resolution of the concern. 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, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies

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

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

Academic Services

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

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

International Services Center

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

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

UCF Public Safety and Police

Chief: Richard Bear
Building #150, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

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

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence, by calling 9-1-1. University Police are part of the county-wide "Enhanced 9-1-1" system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

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

The Investigations Division (407-823-5980) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

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

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

Information Technologies and Resources

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

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

University Libraries

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

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

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

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

Associate Director for Collections and Technical Services: Mary Page; LIB 502H; 407-823-2575

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.4 million volumes, 40,000 journal subscriptions, 3.1 million microforms and 51,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 593,000 e-books, and 27,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

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

The Knowledge Commons, the Libraries’ newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip-up tables. Two-thirds of seating in the area offers a desktop PC or immediate access to power. Complementing the Knowledge Commons are rolling white boards, acoustical treatments, upgraded wireless network service and natural light throughout. Nearby, the Libraries’ multipurpose cybercafe, named Infusion, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed captioned television, and a browsing collection for leisure reading.

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

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

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

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public record, ephemera, photographs, art, and more. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. UCF Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC website at http://library.ucf.edu/cmc or call 407-823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard, and open to the entire UCF community as well as to hospitality industry professionals. The Library provides access to most of the services available through the main campus library. For additional information go to http://library.ucf.edu/Rosen or call: 407-903-8100.

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

All locations provide electronic access to library and University resources on the web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional and branch campus sites. For more information see the website at http://library.ucf.edu/BranchCampuses/Locations/default.asp.
Campus Bookstores
UCF’s main campus is home to two Barnes & Noble bookstores.

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located on the John T. Washington Center, is the material destination. It offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service cafe that proudly brews Starbucks coffee. For store hours and information, visit http://www.ucf.bncollege.com or call 407-823-2665.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the UCF Arena in Knights Plaza, provides for all of your graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, convenience items and a full service 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@mail.ucf.edu
http://www.Parking.ucf.edu

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

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms. An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes six round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

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

In addition, two Lynx bus routes, Links 13, and 30, serve the UCF campus: from Oviedo, Downtown Orlando, Valencia Community College, and East campus. Commuters may connect to any where 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 formation on special passes, may be obtained by calling Lynx at 407-841-8240, or from their website, http://golynx.com.

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

The Orlando Shakespeare Theater in Partnership with UCF, is Central Florida’s professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriet Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and Shakespearepire” programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent
University of Central Florida/Campuses

studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at 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 free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

For more information about the UCF Alumni Association or to join 4EK stop by the FAIRWINDS Alumni Center (across from the UCF Arena); call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); connect anytime at http://www.ucfalumni.com; or find us on Facebook at http://www.facebook.com/ucfalumni.

UCF Foundation, Inc.
Associate Director of Donor Relations: Sean Helton
PVL 250: 407-882-1220
Email: donorrelations@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 your contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
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 component to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy. Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and 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 (Office of), Undergraduate Studies

Director: Sheri Dressler
CSLL 6601; 407-823-2667
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies provides advising, instruction and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experiences in their academic programs to gain the potential, academic and professional competencies they need to be successful employees and engaged community members upon graduation. Almost half of the student body participates in experiential learning courses each year.

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and outcome data to colleges for grant proposals and assessment. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

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

Internships are available to students on all campuses in all colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student’s program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments. Contact information for department internship coordinators is on the OEL website.

Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules or full-time alternating terms of work experience and coursework, structured for learning with
Special Academic Programs and Research Institutes

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski
BAZ 223; 407-823-3555
http://www.ncasports.org

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

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

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

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

Division of Continuing Education

Assistant Vice President/Director: TBA
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs

Associate Vice President: Stephen Holmes
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site at the various business, educational, or governmental locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research

Center for Economic Education
Director: Robert L. Pennington
BAZ 300E; 407-823-2860
Email: rpennington@bus.ucf.edu

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

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A Orlando, FL 32819; 407-903-8010
Associate Director: Roberto Croes
9907 Universal Blvd., Suite 219-C, Orlando, FL 32819; 407-903-8028
Email: DIP@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

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

Executive Development Center
Academic Director: Ronald E. Michals
Senior Associate Directors: Tiffany Hughes, Jaime Patterson
407-235-3901
Email: edc@bus.ucf.edu

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

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

- Executive MBA Program
- Professional MBA Program
- Professional Masters in Management
- Professional Masters in Real Estate
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs
The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural, and social exchanges between the Province of Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the 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 to study in Florida state universities and community colleges for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty
407-823-3647, Fax: 407-882-3968

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

Florida Solar Energy Center (FSEC)
Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
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 Brevard Community College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematics (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

Florida Space Institute (FSI)
Director: Alan Stern
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 unique 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 both at the Space Center and on the UCF campus, but will move to the UCF research park by summer 2012. Typical research areas include small satellite innovations, planetary science, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

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

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

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

IST’s research staff of more than 260 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

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

IST actively assists UCF in the development of simulation-related curriculum. First in the nation with a master’s degree in simulation systems, the university in collaboration with IST also offers a truly multidisciplinary PhD in Modeling and Simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. In partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 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 programs to continue their advanced education and hone their research skills.

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

Institute of Statistics and Data Mining
Director: David M. Nickerson
CC2 206; 407-823-5528
Email: David.Nickerson@ucf.edu

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

Oak Ridge Associated Universities (ORAU)
President and ORAU Councillor for University of Central Florida: John C. Hitt

ORAU Corporate Secretary: Monnie E. Champion
865-579-3306
http://www.orau.org

Since 1989, students and faculty of University of Central Florida have benefitted 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 either of the contacts above.

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

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

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

- Start-Up
- Finance
- Operations
- Technology
- Management
- Market Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
The mission of Enterprise Decision Support (EDS) is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning by the university community and to provide information for external agencies and the Florida Board of Governors.

Institutional Knowledge Management (IKM)

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

Institutional Research (IR)

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

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

Operational Excellence and Assessment Support (OEAS)

The mission of Operational Excellence and Assessment Support (OEAS) is to support efforts to improve the effectiveness and efficiency of university operations and the quality of student learning outcomes through assessment.

OEAS accomplishes this by providing support to all administrative units and academic programs through integrated processes that include continuous quality improvement, survey development, data collection, analysis, and guidance in assessment.

News and Information

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

Regional Campuses Enrollment Services, Marketing and Outreach

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

Student Financial Assistance

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

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

The mission of Institutional Research (IR) is to provide information of the highest quality which is timely, accurate, and useful to facilitate and enhance decision-making and planning at the University of Central Florida. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.
Student Outreach Programs
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

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

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

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

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

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

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

WUCF TV is the region’s only PBS channel, reaching more than 1.5 million households and 3.5 million viewers. WUCF TV’s mission is to enrich lives through educational and entertaining programs and partnerships that positively inform and influence our community. WUCF TV also provides high-quality video production services to internal and external clients.

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

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university, state college, and state community college 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/Friday 9 a.m. to 5 p.m.

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

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

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

UCF Marketing ensures the integrity of the UCF brand, increases the university’s visibility and image, creates cost-saving opportunities, enhances revenues, attracts students, engages alumni, and informs the public through multiple media with strategic services and partnerships that tell the UCF story locally, statewide and nationally.
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 community college visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our 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.

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the University Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our website at http://admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website. Admissions representatives are available to discuss particular concerns about admission to the University. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.

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 no later than 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
Undergraduate Admissions

the Spring semester, and March 1 for the Summer term. The priority
deadline for most financial assistance and scholarships is March 1.
Information and an application for University housing can be
found at http://www.housing.ucf.edu. Applicants can apply for housing once
they are offered admission to the University. Requests for housing
are subsequently reviewed according to the date of the receipt of
the housing application. The University encourages applications from
qualified persons of both sexes, all ages, and from all cultural, racial,
religious, and ethnic groups. The University does not dis-

In criteria for admission are selective and include: indicators of abil-
dity and indicators of performance, creativity, or talent to complete
Admission to the University

Applicants should understand that this Undergraduate Catalog out-
lines minimum requirements to be considered for admission and that
admission to the University is selective. The satisfaction of minimum
requirements does not guarantee admission. Conversely, Florida
Department of Education policy allows the University to admit stu-
dents 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 under-
graduate students under this exception policy.

Applicants must submit official transcripts from each educational insti-
tution 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 con-
sidered official, supporting admissions documents must be received
directly from the issuing institution or testing agency. All final sup-
porting 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 disciplin-
ary 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 documenta-
tion have been received. If, upon review of final transcripts, student
records are not satisfactory, they may be placed on academic proba-
tion, have their admission status revoked, changed to non-degree or
transient status, may become ineligible for financial assistance, and
may, in some cases, be withdrawn from the University. In addition
to the required documentation mentioned above, students must have a
satisfactory conduct record at all schools attended.

Reactivation

Students who have submitted an application for admission to UCF
as a degree-seeking student and do not attend, may reactivate the
original application within one year of the term for which they first
applied. To update the application, students should complete the
Reactivation Form 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 admis-
sion to the University. Information regarding orientation may also be
viewed on the website at http://fuse.ucf.edu/.

Admission Categories

Students may submit applications to the University for one of the fol-
lowest categories:

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual
enrollment, on- or off-campus)
Dual Enrollment On-Campus
is for students who desire to dual
office for detailed information.
to participate in these programs. Contact your high school guidance
work. Each respective high school selects students who are eligible
sponsor on-site courses at specific high schools. Students earn both
be required.
an application for admission by the published application deadline
were established.
A student applying for admission who does not meet established
requirements may bring to the University other important attributes
of special talents and may be admitted if, upon appeal and
in the judgment of the Admissions and Standards Committee, the
student can be expected to do successful academic work. The University will provide appropriate advising for each student
admitted under this alternative.
Students who have been enrolled in dual enrollment courses will
be required to have a minimum “C” average (2.0 GPA) for all completed dual enrollment course work.
A student must have two years of one foreign language in high
school or the equivalent (minimum eight credit hours) at the post-
secondary level, to be offered admission.
Dual Enrollment/Early Admit Applicants
High School students who have demonstrated exceptional academic
ability may be permitted to enroll as University students while complet-
ing their high school programs. There are three types of dual enroll-
ment programs:
1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test or ACT;
   - written letter of recommendation from high school counselor or school district permission form; and,
   - written permission from parents or legal guardian.
2. Dual Enrollment On-Campus is for students who desire to dual enroll on a part-time basis, taking one or two courses on campus, while completing their high school course work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.
3. Dual Enrollment Off-Campus is for students whose high schools sponsor on-site courses at specific high schools. Students earn both high school and college credit for successful completion of course work. Each respective high school selects students who are eligible to participate in these programs. Contact your high school guidance office for detailed information.

Transfer Applicants
UCF welcomes transfer applicants to the University. Students should apply online at http://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public state college. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.
Transfer students are required to complete at least 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.
Transfer students are encouraged to review the current edition of UCF’s “Transfer Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college course requirements for all majors as well as other helpful information.
Transfer Applicants with Fewer Than 60 Credit Hours
All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants with an A.A. Degree from a Florida Public Institution
Admission of Associate in Arts (A.A.) degree graduates from Florida public community colleges, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see DOE Rule 6A-10.024), who has completed the university parallel program; and who has received the Associate in Arts degree, which includes all of the following:
- At least 60 credit hours of academic work exclusive of occupa-
tional courses and basic required physical education courses;
- An approved general education program of at least 36 credit
   hours;
- A GPA of at least 2.0 on a 4.0 system for all college-level academ-
ic courses attempted. (Only the final grade received in courses
repeated by the student shall be used in computing the average.); and,
- One year of college instruction in a single foreign language. (This
requirement applies to those students without the required two
units of foreign language in high school.) Students who receive an
Associate in Arts degree from a Florida public community college
or university prior to September 1, 1989, but who have not met
the foreign language requirement may be admitted to the University
on a provisional basis.

Any student admitted without two years of one foreign language in
high school or the equivalent (minimum eight credit hours) of such
instruction at the post-secondary level, must satisfy the admission
requirement prior to graduation. Florida Community College Associate in
Arts graduates are guaranteed the following rights under the
Statewide Articulation Agreement (State DOE Rule 6A-10.024):
1. Admission to one of the eleven state universities, except to “lim-
itied access” programs (programs that have additional admis-
sion 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 acceler-
ated 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 pro-
   grams; and
7. Equal opportunity with native university students to enter limited
   programs.
Should any guarantee be denied, students have the right of appeal
through the Office of Undergraduate Admissions and the Admissions
and Standards Committee.
Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.
Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants
Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application to are outlined as follows:
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu/.
- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://www.registrar.ucf.edu/forms/readmission/.

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

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

Non-Degree Seeking Applicants
A student who wishes to attend UCF but not work toward a degree and has not already earned a bachelor 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 degree and wishes to attend as a non-degree seeking student should follow the procedure through our Undergraduate Admissions Office located at http://www.admissions.ucf.edu/nondegree_applicants/.

International Applicants
The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://admissions.ucf.edu/. Because of additional processing time needed for non-immigrant students joining UCF on F-1 or J-1 visas, those students 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.

Mandatory Health Insurance for International Students on F-1 and J-1 Visas
Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services website at http://www.hs.ucf.edu. Use the link for health insurance that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements.
Written proof of insurance must also be provided if the insurance is issued by a foreign carrier or underwriter. A statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.
The University reserves the right to refuse registration to any international student on F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance.
The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement.
For questions, call UCF Health Services at 407-823-1281 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 of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

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

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

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

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

All college level credits earned for which official transcripts have been submitted will be compiled into a “Transfer Summary Report” (TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and 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 public community college, state college or university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

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

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

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to “Academic Honors” within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance

 Executive Director: Mary H. McKinney
 MH 120; Switchboard: 407-823-2827, Appointment: 407-823-5285,
 Fax: 407-823-5241
 Email: finaid@ucf.edu
 http://finaid.ucf.edu

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

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

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

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

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

Application Priority Date
All students must apply or reapply yearly for financial aid.

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

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

Students should not wait to be admitted to UCF before applying for financial aid;

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

Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;

A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

Application Procedures
The FAFSA can be filed electronically at http://www.fafsa.ed.gov. A link is provided on the website.

Using the IRS Retrieval tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data from IRS Retrieval tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Retrieval tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries.

Messages from the federal processor should be reviewed thoroughly:

- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program. Only courses toward degree requirements count for financial aid purposes;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress;
- Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award/s. This includes, but is not limited to, any private scholarships or third party tuition payment/waivers;
- Students may not receive aid in excess of their Cost of Attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;


Financial Aid Programs Available at UCF

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

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

Loans are borrowed funds that must be repaid. They provide undergraduate students with an opportunity to invest in their future. Undergraduate students must enroll for at least six hours at UCF in UCF classes to be considered for federal loans.

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

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

Award Notification

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

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

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

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

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

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to access 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 are never attended.

Program Eligibility Charts

To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid.

Helpful Hints

- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date.
- Use the IRS Retrieval tool in the online FAFSA application. Applicants who use the unchanged data from IRS Retrieval tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Retrieval tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries.
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the website: http://financial.ucf.edu.

School Costs

Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website for the estimated Cost of Attendance.

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Estimated Cost of Attendance for 2012-2013

<table>
<thead>
<tr>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Living Arrangement</strong></td>
<td><strong>On/Off Campus</strong></td>
</tr>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$5,806</td>
</tr>
<tr>
<td><strong>Books</strong></td>
<td>1,146</td>
</tr>
<tr>
<td><strong>Room &amp; Board</strong></td>
<td>9,300</td>
</tr>
<tr>
<td><strong>Transportation</strong></td>
<td>1,800</td>
</tr>
<tr>
<td><strong>Personal Expenses</strong></td>
<td>2,276</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td>$20,328</td>
</tr>
</tbody>
</table>
Student Financial Assistance

Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Drop/Swap and Add, awards are adjusted based on student enrollment. The week following, the disbursement process is initiated by moving awards to the student’s account. Once funds are disbursed to the office of Student Account Services, the disbursement record is posted on myUCF under View My Account on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to make sure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address on myUCF.

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

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

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

- Complete a minimum of 70% of all credit hours attempted. Compliance of this requirement is checked at the end of each term. Students who do not earn 70% of all credit hours attempted will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must meet the 70% standard or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved putting them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.

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


To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: http://finaid.ucf.edu, under Forms).

- Attach documentation that supports specific circumstance(s) to the appeal form;

- Meet with Academic Advisor to complete an Academic Plan;

- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by email communication or the student may view the updated status on myUCF, under View Financial Aid Status.

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.

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

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

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

Classification | Maximum UCF Hours Allowed For Completing Degree
--- | ---
Undergraduate (All undergraduates, including Second Degree) | Undergraduate: 180 Attempted Hours (including all undergraduate level hours)
Masters | 70 Attempted Hours
Specialist | 100 Attempted Hours (including all graduate level hours)
Doctoral | 120 Attempted Hours (including all graduate level hours)

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

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process. If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the proper level during the end of semester review process.
Transient Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Transient Form for Financial Aid;
2. Approved Advisor Authorization Form obtained from http://www.FACTS.org or Transient Student Approval Form with all required signatures;
3. A copy of the fee invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Form for Financial Aid; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

Transient enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to insure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

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

Over Awards
An over award occurs when a student’s award package has exceeded either the unmet need or Cost of Attendance, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on myUCF, Student Center. In the event of an over award, a student’s award package is reduced to eliminate the over award, which may result in a repayment of the over award.

Refunds and Return of Title IV Funds
Students should be aware that if they withdraw from the university after having received financial assistance, they will be required to repay a portion of that assistance. Students who received Federal Stafford Loans should also know that the Registrar’s Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals.

Professional Judgment
The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
Student Account Services
Associate Controller: Dan Mayo
MH 109; 407-823-2433,
Email: stuacct@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
  (Student Account Services, MH 109)
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2012-2013 tuition and fees had not been established at the time of this publication. Rates for the 2012-2013 academic year will be available in July 2012 at http://www.irofice.ucf.edu/character/current_tuition.html. Fees are subject to change without notice.

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

Tuition Fee Invoice: A printed Tuition Fee Invoice confirms fees and course registration. Tuition Fee Invoices are available 24/7 on the web at http://www.my.ucf.edu, kiosks, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making payment at one of the payment locations. Tuition Fee Invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

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

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

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

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

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial responsibilities.

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

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 online through the E-pay system via the myUCF portal. Currently students can pay using a check or a credit card in this system. Payments cannot be transferred by telephone.

Acceptable forms of payment:

Checks

Credit Cards (Acceptable credit card types are subject to change). 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 or Credit Card
- A nonrefundable convenience fee or processing fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline through 11:59 P.M. Eastern Standard Time 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 Finance section. You will find a section for Student Accounts.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2012, Fall 2012, or Spring 2013). 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 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)

Payment Locations (Call respective campus for office hours and options):
Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)

Regional Campuses: The University of Central Florida now requires all tuition and fees to be paid electronically. While there are no longer direct cashing services available on the Regional Campuses, students can pay all tuition and fees electronically, either by credit card or check, in the student services area at each major Regional Campus location. Additionally, payments may be mailed to: UCF Student Account Services Attn: Payment Processing, P.O. Box 160115, Orlando, FL 32816-0115.

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

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

For information regarding Florida Prepaid College Plan or Tuition Waivers, please refer to Student Account Services website.

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

UNIVERSITY OF CENTRAL FLORIDA

STUDENT TUITION AND FEES

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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 by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

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

Exceptional Circumstances
Refunds for exceptional circumstances are available upon an administrative withdrawal from one or more courses. Up to 100% of tuition and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, voluntary call to military service, or University administrative error. If approved, a Late Withdrawal does not result in a refund of tuition and fees.

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

Late Fee 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 borne by the debtor.

Do not assume your registration will be canceled if you fail to pay fees (or obtain a full fee deferment) by the payment deadline. The Late Payment Fee is $100 per term.

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

Florida Residency for Tuition Purposes
At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21 (formerly 240.1201) and Board of Regents chapter 6C-7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for other undergraduate students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

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

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documentation 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, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-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 application 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 resides in Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an in-state educational institution. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

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

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

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

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

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

Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from matriculation, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience based learning, values education and civic engagement which lead to overall student success.

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

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

The division is comprised of the following areas:

**Academic Services for Student-Athletes (ASSA)**
Director: Kimya Massey
WD 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, 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 Conference USA and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes with their career planning goals.

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

**Activity and Service Fee Business Office**
Director: Paul Constantino
SU 215; 407-823-5548
Email: asf@ucf.edu
http://www.asf.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and purchasing needs of Activity & Service Fee funded Departments and Agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. We provide an online financial training workshop for student organization officers and their faculty/staff advisors and provide a variety of equipment for check-out to any student free of charge.

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet.
Counseling Center

Executive Director: Stacey Pearson-Wharton
COUN; 407-823-2811
Email: couns@dcs.ufl.edu

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

The Counseling Center offers:
- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Crisis afterhours hotline: 407-823-2811 Press #5
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff
- Referral Services (Care Management)

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

Creative School for Children

Director: Rhonda Moore
CSC; 407-823-2726
Email: csc@ucf.edu
http://www.csc.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences 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 yearly schedule. The Creative School for Children also offers the Florida State Voluntary PreK (VPK) program for age eligible four year old children. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)

Director: Stephen O'Connell
PH 116; 407-823-3789
Email: fyae@ucf.edu
http://fyae.sdes.ucf.edu/

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

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

Major Exploration Program (MEP)

PH 116; 407-823-3789
http://mek.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 in their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience (FYE)

Director: Keira Kant
PH 216; 407-823-5105
Email: fye@ucf.edu
http://www.fye.sdes.ucf.edu

The First Year Experience Office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about stu-
dent 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://www.fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course. Finally, FYE oversees the Pegasus Parent program which aims to provide 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**

**Assistant Vice President, Student Development and Enrollment Services**, and **Director**: Belinda Boston

SU 154 (Greek Council Office), 407-823-2072

http://fsi.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing professional services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, and sisterhood/brotherhood. It encompasses small group living and more importantly, development 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).

Sororities or fraternities can offer students a “home away from home,” a support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, 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 3,500 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

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

**Health Services (HS)**

**Director**: Michael Deichen, M.D.

HC 309; 407-823-2094

http://www.hs.ucf.edu

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

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical technicians, and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus.

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

UCF endorses an optional health and accident insurance plan for students. Our current student health insurance plan is offered by United Health Care Student Resources and may be purchased by enrolling at http://www.gallagherkoster.com/FloridaUSystem. This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges without a co-pay and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

The Dental Center is the newest addition to the broad range of health services available to students and is staffed with a dentist, dental hygienists, dental assistants, financial counselor and clinic coordinator. This state-of-the-art facility is located in the on-campus Health Center and provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. The Dental Center accepts Dental Insurance PPO plans and the financial counselor can assist with payment for various treatment plan options.

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

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

**Housing and Residence Life**

**Executive Director**: Christi Hartzler

http://www.housing.ucf.edu

The Department of Housing and Residence Life offers regularly enrolled single students paying tuition and fees for a minimum of nine credit hours housing on the Orlando campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is reserved primarily for incoming first-year students. A limited amount of space is available for upper-class students. The Rosen College of Hospitality Management campus has housing available for lower-level, upper-level, and graduate students. Married and family student housing is not available.

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

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

Several different meal plans are available through UCF Dining Services. Information about meal plans is available online at http://www.ucfdining.com.
Division of Student Development And Enrollment Services

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

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)
Assistant Vice President, Student Development and Enrollment Services: TB
HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

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

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

Office of Student Involvement (OSI)
Director: Michael Preston
SU 206; 407-823-6471
Email: OSInetassist@ucf.edu
http://www.GetInvolvedUCF.com

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

To fulfill our mission, the Office of Student Involvement staff members oversee the registration and management of over 425 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knightcast, Knights of the RoundTable (KnRt), Late Knights, Student Government Association (SGA), and Volunteer UCF (VUCF). OSI wishes to support all members of our UCF community and encourage any person in need to an accommodation or assistance to participate in our programs or services to email us at osiassist@ucf.edu. OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)
Director: Dana Juntunen
FC 227; 407-823-6960
http://osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) includes the Office of Integrity and Ethical Development and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. OSRR also publishes the, the Golden Rule Student Handbook, which contains more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

Office of Integrity and Ethical Development
Director: Jennifer Wright
FC 142; 407-823-3477
http://osc.sdes.ucf.edu

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

Office of Student Conduct
Associate Director: Nicholas Oleksy
FC 227; 407-823-4638
http://osc.sdes.ucf.edu

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

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

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

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

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

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

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. The Recreation and Wellness Center and the programs it offers is 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).
Regional Campuses Student Services
Assistant Vice President: A.J. Range
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Email: A.J.Range@ucf.edu

Student Services, UCF Daytona Campus
Director: Diana Weidman
386-506-4024
Email: diana.weidman@ucf.edu

Student Services: UCF Cocoa and UCF Palm Bay Campuses
Director: Randall Brumfield
321-433-7950
Email: randall.brumfield@ucf.edu

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

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

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

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

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

The Registrar's Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar's Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, online Web Enrollment Guide, the efficient utilization of classroom resources, readmissions, SUS transient students, residency reclassifications, student veteran services, and Commencements.
The Office of Student Disability Services provides information and Individualized accommodations consistent with the student’s documented disability. Such accommodations may include, but are not limited to, assistance with classroom accommodations (including examination accommodations), and information and referral to campus and community services for students with disabilities.

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

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

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

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include: free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funds for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and cabinet, oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in the Student Government Association. For information about how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.
The primary vision for the area is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from a one-day workshop to an extended program that may last several weeks to two years. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

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

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

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

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

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expungement of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

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

The Student Union is the Heart of Campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Greens Salad Bar, Balagan Kosher Café, Smoothie King, Subway, Sharro, Pita Spot, Wackadoo’s Grab and Brew, Crepe Royale, Qdoba, BK Whopper Bar, Asian Chao, All Stirred Up, and Corner Café. Retail stores include Greek Unique, Knight Stop Convenience Store and Sushi, and College Optical. Other services located in the Union include the SGA Ticket Office, SGA Computer and Express Print Labs, Kaplan Test Services, ATMs from SunTrust, Bank of America, Chase Bank, and the UCF Federal Credit Union as well as self-service postal and DVD rental kiosks. Located at the Ferrell Commons is the Knights Helping Knights Food Pantry and Ferrell Hideaway. The Student Union also operates the All Knight Study Lounge located at the UCF Arena. All Knight Study is generally open 24 hours, 7 days a week, and the Union is open 24 hours, 5 days a week, to provide additional study options. For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

Transfer and Transition Services
Director: Charlene A. Slihna
PH 221; 407-823-2231
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps transfers 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: Brevard and Lake Sumter Community Colleges, Seminole State College, and Valencia College;
- DirectConnect advisor and support at Valencia College East Campus;
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

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

The University Testing Center administers the Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); Math Placement Test; Post Secondary Education Readiness Test (PERT); R/N Predictor, and Test of Essential Academic Skills (TEAS).

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

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

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

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

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, the Counseling Center, Student Academic Resource Center, Student Disabilities Services, and Transfer and Transition Services, and provides the home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE). Located at UCF Knights Plaza/Arena, across from Barnes & Noble, VARC is open 9 a.m. to 5 p.m. Mondays, Thursdays, and Fridays; 8:30 a.m. to 5 p.m. Tuesdays and Wednesdays, and provides study, tutor and lounge areas for student veterans and programs and events designed specifically for student veteran needs.
Veteran Services
Assistant University Registrar: James Middlekauff
Veterans Academic Resource Center, ARNA; 407-823-2707
Email: varc@mail.ucf.edu
http://www.va.ucf.edu

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

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

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

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA 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 Veteran 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 Veteran 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 Veteran 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 Veteran Services for more specific benefit information on Cooperative Education.

Wellness and Health Promotion Services
Director: Tom Hall
COUN; 407-823-0879/407-823-5841
http://aod.sdes.ucf.edu

Wellness and Health Promotion Services offers comprehensive behavioral health to assist every UCF student in being a “Healthy Knight.” Wellness and Health Promotion Services recognizes the role of lifestyle in health, academic success, and disease prevention by offering a wide range of health promotion and intervention services on topics including: sexual wellness, nutrition, financial wellness, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, healthy relationships, gambling, and internet addiction. A variety of services are provided, including education, prevention, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV counseling, massage, and biofeedback.
Transfer and Transition Services

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

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

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

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

- 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 Community College Counselor or Advisor Help Me?

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

DirectConnect to UCF provides A.A. and A.S. students and alumni of Brevard Community College, Lake-Sumter Community College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2318 to set up an appointment.

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

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

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.
Graduation Requirement: Some baccalaureate degrees require proficiency in a foreign language. Students who enter the University without meeting these requirements must satisfy them prior to graduation. You can show this requirement has been met 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 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 language requirements. Students admitted without this requirement must satisfy it prior to graduation.

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

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 estimate of which credits will be credited to your degree program and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

Transfer Checklist

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

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to: http://www.facts.org > College Students > Transferring > Common Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

Some credits listed on the TSR may not be applicable toward graduation course requirements; e.g., some departments do not accept a transfer grade of “D” (1.0). You should review the TSR carefully to ensure that all credits are included. Courses not automatically credited to your degree program must be evaluated on a course by course basis. General education courses are evaluated through Academic Services; all other courses are evaluated by the academic department offering the courses. You must make sure that all official college transcripts, including a final transcript from the last institution you attended, are submitted to
the Undergraduate Admissions Office within ten days of the start of your first term at UCF. If Admissions does not receive them, a hold is placed on your record, making it difficult for you to receive financial aid or to register for a future term.

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

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

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

Transfer and Transition Services

Transfer Tips:
Office Visits for Transfer Advising
- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:
- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
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 andCLEP credit
   c. An awareness of expectations for success at UCF, and information about key academic policies and important deadlines
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 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 (PH 215)
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 mandatoryHonors 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 issues. CAHSA is located in Colbourn Hall (CNH) room 201 and advisors can be reached by phone at 407-823-3312 or via email at cahsa@mail.ucf.edu. Students can also access CAHSA’s website at: http://www.cahsa.ucf.edu

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

Continuing students will:
1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements 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.
College of Business Administration

The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

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

Continuing students will:
1. Meet with an academic advisor in the USS to review academic progress and develop or update an academic plan. This plan should be reviewed prior to registration each term;
2. Review Degree Audit on myUCF. Check myUCF, CBA TV monitors, or the USS Office for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if admitted to the major. All changes to your class schedule must be completed by the end of the drop/swap and add periods;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with an academic advisor in USS during the semester/term prior to the anticipated graduation term. File the "Intent to Graduate Form" by the end of the term prior to the term preceding that which is planned for graduation.

College of Education

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-5369 or 407-823-3723;
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment; and
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

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

College of Engineering and Computer Science

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

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 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 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 an “Intent to Graduate Form” through MyUCF and meet with an advisor in the COHPA Undergraduate Student Services office by the end of the term prior to the term in which graduation will occur.

College of Medicine

Burnett School of Biomedical Sciences

New students will:
Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.
Continuing students will:

1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add–drop period;
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

Pre-Health Professions Advisement

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

Pre-Health Professional Planning

Preprofessional advisement deals primarily with application and admission procedures to professional schools. Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

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

Each student is urged to carefully select a degree-granting major. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first Spring semester at UCF.

Additionally, prudent use of elective hours in the curriculum will permit other appropriate pre-health professions courses to be obtained.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

Curricula Guidelines

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

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

- General Biological Sciences
  - Genetics: BSC 2010C, 2011C*
  - General Chemistry: CHM 2045C, 2046, 2046L
  - Organic Chemistry: CHM 2210, 2211, 2211L
  - Biochemistry: BCH 4053
- Biochemistry/Molecular Lab: BCH 4103L or BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2253 (prefer MAC 2311, 2312
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023

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

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

Dates of Importance

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

All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.).

In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus require completion of a thorough application packet provided by the various application services. Otherwise, the student applicant must deal directly with the admissions office of the school.

College of Nursing

New students will:

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

Continuing students will:

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

College of Sciences

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

New students will:

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

Continuing students will:

1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.

Students placed on probation due to low UCF GPA will:
1. Attend a COSAS workshop;
2. Design a plan of study with an advisor for the upcoming semester; and,
3. Bring the plan of study to their COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will:
1. During the term prior to your term of graduation, do all of the following:
   1. Review COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
   2. Schedule and attend a graduation review appointment with a COSAS advisor; and,
   3. Refer to Academic Services any questions pertaining to the Degree Audit and registration deadlines.
2. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/ or in the Undergraduate Catalog.

Office of Undergraduate Studies
Office of Interdisciplinary Studies

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

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

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to graduation 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. See a Program Advisor prior to registration to select courses and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System

http://regionalcampuses.ucf.edu

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

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the College in the DirectConnect to UCF program and continues with professional advisors available at the Regional Campuses. Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see ‘UCF Regional Campuses’ within the “University of Central Florida” section of the Undergraduate Catalog.

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
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 midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.
Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/.

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

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

Undergraduate Enrollment Status Credit Hours

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

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

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

Excess Hours
Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.sdes.ucf.edu.

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

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

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

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “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 auditing a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

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

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

Limited Non-Degree Seeking Applicants
This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semester or term cycle, or for special programs mandated by the State of Florida. Successful completion of courses while in this classification does not provide a basis for regular admission at a later date. Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Soliders-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program.
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

State University System (SUS) Florida Transient Students
An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the “SUS Transient Application Form” which is available online at http://www.facts.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be completed online or delivered/mailed to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. Students seeking transient status must sign the request and provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawals from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable and receive a grade.

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

No withdrawal is permitted after the withdrawal deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should view the Academic Services website at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing grade from the instructor of the course. If the student was passing, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be graded to the Grade Point Average. Late withdrawals normally are for all courses taken in the term. Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical documentation, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the 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 liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative
Academic Regulations and Procedures

errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

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

Withdrawal and Academic Behavior Violations

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the 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</th>
<th>Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Legend

- No grade reported by instructor
- Repeated (no credit)
- Unsatisfactory (no credit)
- Withdrawn Failing
- Withdrawn
- Health Form Withdrawal
- Medical Withdrawal
- Withdrawn Passing
- Audit (no credit)

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 = 13 credit hours = 46 total grade points

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

   $ \frac{46 \text{ total grade points}}{13 \text{ credit hours}} = 3.54 \text{ GPA for that term.}$

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

Incomplete Grade

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

Grade Change

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

Grade Reports

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

Attendance, Absences, or Unsatisfactory Work

Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional 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 the Program Verification form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

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

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

Student Conduct
Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule.

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify all of his/her instructors at the beginning of the term to be excused from classes to observe the religious holy day.

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with the Student Grievance Procedure, as listed in The Golden Rule.

Student Classifications
Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:

Freshman: 0-29 credit hours
Sophomore: 30-59 credit hours
Junior: 60-89 credit hours
Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

Post-Baccalaureate:
Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:
Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:
Auditor:
A student registered for any credit course who is not seeking credit.

Co-op Student:
A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.

Special Student:
A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non degree-seeking, transient, and auditor).

Temporary:
A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient:
Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

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

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

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

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

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

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

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

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

Consult the Academic Honors list at http://www.registrar.ucf.edu/calendar/academic/line

Diplomas are mailed six to ten weeks after Commencement to the most up-to-date UCF Honors minimum GPA requirements.

Requests must be submitted online at https://my.ucf.edu

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

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses were 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 Public Community College or State University. Grade forgiveness awarded within a bachelor's degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean's office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

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

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

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

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

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

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF’s general education program and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

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

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently successfully completes an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.
Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:
1) the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2) the student has been academically suspended from UCF;
3) the student failed to enroll or withdrew from all classes during the readmitted term; or,
4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

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

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

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.”

Readmission Following Non-Enrollment for Two Consecutive Semesters: Disqualification
A student who has been academically Disqualified by UCF (with a grade point deficiency of 30 or more Grade Points) is not eligible for readmission to the University. 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 appeal per 12-month period following the disqualification period.

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

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

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

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

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

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

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

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

Right of Appeal
A student who is ineligible for readmission or has been denied read-
mission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following require-
ments before the Registrar’s Office will forward the appeal to the Committee:
1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circum-
stances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one type page; it must be signed and dated, and include the student’s UCF Personnal Identification number (PID);
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the sched-
uled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring suc-
cess in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

Academic Amnesty Program
Effective Fall 2004, the Academic Amnesty Program provides under-
graduate 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 con-
secutive terms worth of UCF coursework from his or her UCF grade point average. Students must 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 calcu-

Address and Email Changes
The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the students’ responsibility to make appropriate changes to the address online at myUCF as they occur. Address and email changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.
Transcript Requests
Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

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

Third Attempt Course Repeat Surcharges
All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107). Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

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 the Student Accounts Office (MH 107) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

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

Majors
The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major subject (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 their request to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;

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

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

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

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

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

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

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > 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.sdes.ucf.edu, requesting that this information be withheld.

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

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

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

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

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

Advanced Placement Program (AP) (see table below)

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

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<th>Score of 4</th>
<th>Score of 5</th>
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<td>ARH 2050 and 2051</td>
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*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

**If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 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)

International Baccalaureate Program

(see table on next page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.
International Baccalaureate (all modern languages)

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

Language B (most common)

Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a mini-

### INTERNATIONAL BACCALAUREATE

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<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
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<td>BSC 1005/1005L and BSC 210C</td>
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<td>CHM 1020 and 1020L and CHM 2045C</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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**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).

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**CAMBRIDGE AICE EXAMS**

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<td>Art and Design (AS-Level)</td>
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<td>ART 1906 and ART 1907</td>
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<td>BSC 1005/1005L</td>
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<td>BSC 2010C and BSC 1906</td>
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<td>GEB 2011 and GEB 2905</td>
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<tr>
<td>English - Literature in English (AS-Level)*</td>
<td>ENC 1101 or ENC 1102</td>
<td>COM Found 1 or COM Found 2</td>
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<td>English - Literature in English (A-Level)#</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 and 2 or COM Found 1 and CUL and HIST Found 2</td>
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<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
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<tr>
<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<td>French Literature (A-Level)</td>
<td>FRW 3100</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
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<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEO 1000</td>
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<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td>SCI Found 2</td>
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<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<tr>
<td>History (AS-Level)</td>
<td>HIS 1006 (5 credits)</td>
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<td>History (A-Level)</td>
<td>HIS 1006 (6 credits)</td>
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<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
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<td>Mathematics Science (AS-Level)</td>
<td>OCE 1001</td>
<td>SCI Found 2</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>SCI Found 2</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td>SCI Found 2</td>
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<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 2</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
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<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Literature (A-Level)</td>
<td>SPN 3100</td>
<td>SCI Found 2</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
<td>SCI Found 2</td>
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<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
<td>SCI Found 2</td>
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</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.
Credit by Examination

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

CLEP Language Examinations

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

DANTES Subject Standardized Tests (DSST)

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
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<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td>47</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td>48</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
<td>44</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td>49</td>
<td>400</td>
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<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td>46</td>
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<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td>46</td>
<td>400</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td>46</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>47</td>
<td>SOC Found 2</td>
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<tr>
<td>Here's to Your Health</td>
<td>HSC 1100</td>
<td>48</td>
<td>400</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td>44</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td>48</td>
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<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>45</td>
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<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
<td>47</td>
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<td>Intro to World Religions</td>
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<td>47</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
<td>46</td>
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<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td>46</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td>46</td>
<td>400</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td>48</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td>46</td>
<td>400</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>46</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>47</td>
<td>SCI Found 1</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>47</td>
<td>COM Found 3</td>
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<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>48</td>
<td>MAT Found 2</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
<td>46</td>
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<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>
<td>46</td>
<td>400</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>
<td>47</td>
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EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td>COM Found 1</td>
<td>46</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>COM Found 1</td>
<td>44</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>COM Found 1</td>
<td>45</td>
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</table>
UNDERGRADUATE DEGREE REQUIREMENTS

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

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

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

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

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

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

General Education Program (GEP)
The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for 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 public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

Communications Foundation
- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author;
- Demonstrate the ability to understand communication and speaking skills;
- Demonstrate the ability to write in a clear, logical and appropriate manner;
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation;
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation
- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility;
- Identify and deepen appreciation of common human themes and the richness of diverse cultures;
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts;
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art;
- Demonstrate knowledge of the chronology and significance of major events and movements in Western civilization, U.S. history or world civilization.

Mathematical Foundation
- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology;
- Be able to solve real-world quantitative problems;
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts;
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions;
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation
- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility;
- Understand how an individual’s place in the world is affected by social, economic, and political institutions;
- Gain a deeper appreciation of one’s role and potential impact in social, economic, and political institutions;
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions;
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.

Science Foundation
- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations;
Undergraduate Degree Requirements

General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

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

A. Communication Foundation

1. ENC 1101 Composition I 2 3(3,0)
2. ENC 1102 Composition II PR: ENC 1101 2 3(3,0)
3. SPC 1608 Fundamentals of Oral Communication 3(3,0)
4. SPC 1603 Fundamentals of Technical Presentations 3(3,0)
5. COM 1000 Introduction to Communication 3(3,0)

B. Cultural and Historical Foundation

1. ECON 2021 Western Civilization I 2 3(3,0)
2. HUM 2210 Humanistic Tradition I 2 3(3,0)
3. HUM 2220 Humanistic Tradition II 2 3(3,0)
4. AMH 1010 U.S. History: 1492-1877 2 3(3,0)
5. AMH 2020 U.S. History: 1877-present 2 3(3,0)
6. WSH 2012 World Civilization I 2 3(3,0)
7. WSH 2022 World Civilization II 2 3(3,0)

2. ARH 2050 History of Western Art I 3(3,0)
3. ARH 2051 History of Western Art II 3(3,0)
4. MUL 1010 Enjoyment of Music 3(3,0)
5. THE 2000 Theatre Survey 3(3,0)
6. FIL 1000 Cinema Survey 3(3,0)
7. REL 2300 World Religions 3(3,0)
8. PHI 2040 Introduction to Philosophy 3(3,0)
9. LIT 2110 World Literature I PR: ENC 1102 2 3(3,0)
10. LIT 2120 World Literature II PR: ENC 1102 2 3(3,0)

3. Take one additional course from either B1 or B2.

C. Mathematical Foundation

1. MAC 1140 College Algebra 2 3(3,0)
2. MAC 1114 Finite Mathematics 2 3(3,0)

D. Social Foundation

1. ECO 2013 Principles of Microeconomics 3(3,0)
2. ECO 2023 Principles of Macroeconomics 3(3,0)
3. POS 2041 American National Government 3(3,0)
4. PSY 2042 General Psychology 3(3,0)
5. PSY 2040 General Anthropology 3(3,0)
6. ANT 2000 Introduction to Sociology 3(3,0)
7. ANT 2001 General Anthropology 3(3,0)

E. Science Foundation

1. PHY 2054C Physics I: MAC 1105C and MAC 1141C 3(3,0)
2. PHY 2053A Principles of Biochemical Engineering 3(3,0)
3. PHY 2053C Principles of Statistics 2 3(3,0)
4. STA 2014C Introduction to Computer Science 2 3(3,0)
5. STA 2014E Introduction to Probability and Statistics 3(3,0)
6. STA 2034E Principles of Statistics 3(3,0)
7. STA 2034C Introduction to Statistics 3(3,0)
8. STA 2034E Principles of Statistics 3(3,0)

F. Arts and Aesthetic Foundation

1. AST 2002 Astronomy PR: High School Algebra or MAC 1105C 3(3,0)
2. PSC 1121* Physical Science PR: High School Algebra or MAC 1105C 3(3,0)
3. PHY 2053C College Physics I: MAC 1105C and MAC 1141C 4(3,3)
4. CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3,0)
5. BSC 1055* Biological Principles 3(3,0)
6. BSC 1065* Biology and Environment 3(3,0)
7. GLY 1030 Geology and Its Applications 3(3,0)
8. GEO 1200* Physical Geography 3(3,0)
9. ANT 2511 The Human Species 3(3,0)
10. MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3,0)

A one credit laboratory is also available for this course.

1A grade of "C-" (1.75) or better is required in this course.

2A grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.

Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

Alternate Courses: General Education Program

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

GEP Requirement Acceptable Substitutions
MAC 1105C (College Algebra) MAC 1114C, MAC 1140C,
MAC 2233, MAC 2253, MAC 2311,
MAC 2312, MAC 2313
MAC 1106 (Finite Mathematics) MAC 1107
PHY 2053C (Physics) PHY 2048C, PHY 2049C,
PHY 2054C, PHY 5015C, PHY 5016
CHM 1020 (Chemistry) CHM 2045C, CHM 3022,
CHS 1440, CHM 2040
BSC 1005 or BSC 1010B
BSC 1050 (Biology) BSC 2010C
GEO 1200 (Geography) GEO 2370
CGS 1060C (Intro to Computer) CGS 2100C, COP 2500C,
COP 3500C, COP 3510C
STA 2014C (Statistics) STA 2023, STA 3032
THE 2000 (Theatre) THE 2020
FIL 1000 (Cinema Survey) FIL 2030, FIL 3036, FIL 3077
MUL 2010 (Music) MUH 2017, MUH 2018, MUH 3212,
MUL 2016, MUL 2720

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

Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida public state university or community college. Students who have previously completed a baccalaureate degree also are exempt. The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.

General Education Courses:

Composition II
Fundamentals of Oral Communication
Introduction to Sociology
General Anthropology
General American Government
General Psychology
World Civilization II
World Literature II

Other Courses:

AMH 3422 Frontier Florida
AMH 3423 Sunbelt Florida
AMH 3562 Women in American History II
AMH 3563 Contemporary American Women’s Fiction


Undergraduate Degree Requirements

AML 3615 Harlem, Haiti, and Havana
AML 3682 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
CIE 4174 Comparative Justice Systems
COM 4406 Gender Issues in Communication
COM 4461 Intercultural Communication
CPD 3034 Politics of Developing Areas
EDP 2065 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 Behavior
PUP 3422 Politics and Civil Rights
PUP 3314 Women and Political Behavior
PUP 3204 Sustainability
PSW 3620 Social Work with Diverse Populations
SPW 4771 Black Presence in Contemporary Latin American Literature
SYD 3800 Sex and Gender in Society
SYP 4732 Minority Aging
THE 4230 Cultural Diversity in Theater
WST 3561 Third World Feminisms
WST 3015 Introduction to Women’s Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams

In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.

Foreign Language Proficiency Requirement

(Bachelor of Arts Degree)

Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others from which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this 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.
- Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

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 I) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

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

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

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (two high school units in the same language) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of “C” (1.75). UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement: GEP Courses Which Satisfy:

1. Six hours of mathematics at the level of college algebra or higher
   (1) College algebra or finite math
   (2) Statistics or computer science

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

2. Six hours of English coursework
   (1) Six hours of English Composition and six hours of additional college level writing
   (2) Specifically identified courses and 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
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 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 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3284 Early American Women’s Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary American Prose and Poetry
<table>
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<td>AML 362</td>
<td>Ethnic Literature in America</td>
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<td>AML 362H</td>
<td>Honors Ethnic Literature in America</td>
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<td>AML 401</td>
<td>American Novel</td>
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<td>AML 4153</td>
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<td>AML 4300</td>
<td>Major American Authors</td>
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<td>AML 4304</td>
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<td>AML 4321</td>
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<td>ANT 3183</td>
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<td>ARH 4450</td>
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<td>ARH 4800</td>
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<td>EAS 4700C</td>
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<td>ENC 1101H</td>
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<td>ENC 1102H</td>
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<td>ENC 4215</td>
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<td>ENC 4262</td>
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<td>ENC 4280</td>
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<td>ENL 2012</td>
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<td>ENL 4240</td>
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<td>ENL 4253</td>
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<td>ENL 4262</td>
<td>Nineteenth Century British Prose</td>
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<td>ENL 3333</td>
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<td>EUH 2000H</td>
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<td>EUH 4284</td>
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<td>LIT 3482</td>
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<td>LIT 4043</td>
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<td>LIT 4374</td>
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<td>LIT 4433</td>
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<td>PAD 3733</td>
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<td>WOH 2012H</td>
<td>World Civilization I - Honors</td>
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</table>

**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://www.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://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.
Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

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

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

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

Two Degrees
- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.

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 and the College Level Academic Skills requirement.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

## Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Design, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

### College of Arts and Humanities
- **Bachelor of Arts (B.A.)**
  - Majors: Art, Digital Media, English, Film, French, History, Humanities, Latin American Studies, Music, Philosophy, Religious Studies, Spanish, Theatre Studies
- **Bachelor of Design (B.Des.)**
  - Major: Architecture
- **Bachelor of Fine Arts (B.F.A.)**
  - Majors: Art, Film, Theatre
- **Bachelor of Music (B.M.)**
- **Bachelor of Music Education (B.M.E.)**
- **Bachelor of Science (B.S.)**
  - Majors: Photography

### College of Business Administration
- **Bachelor of Science in Business Administration (B.S.B.A.)**
  - Majors: Accounting, Business Economics, Finance, General Business, Management, Marketing, Real Estate
- **Bachelor of Arts (B.A.)**
  - Major: Economics
- **Bachelor of Arts in Business Administration (B.A.B.A.)**
  - (Regional campuses only)

### College of Education
- **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 Sciences
- **Bachelor of Arts (B.A.)**
  - Majors: Advertising-Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Sociology
- **Bachelor of Science (B.S.)**
  - Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

### Rosen College of Hospitality Management
- **Bachelor of Science (B.S.)**
  - Majors: Event Management, Hospitality Management, Restaurant and Foodservice Management

### Office of Undergraduate Studies
- **Bachelor of Applied Science (B.A.S.)**
  - (Regional campuses only)
  - **Bachelor of Arts (B.A.)**
    - Major: Interdisciplinary Studies
  - **Bachelor of Science (B.S.)**
    - Major: Interdisciplinary Studies
## Academic Minors by College

### College of Arts and Humanities
- African American Studies
- American Studies
- Art History
- Asian Studies
- Cognitive Sciences
- Community Arts - PAVE
- Dance
- Digital Media
- Diplomacy
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Film - Cinema Studies
- French
- History
- Humanities
- Italian
- Judaic Studies
- Latin American Area Studies
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Music
- Performing Arts Administration
- Philosophy
- Religion and Popular Culture
- Religious Studies
- Spanish
- Theatre
- Women's Studies
- Writing and Rhetoric

### College of Business Administration
- Accounting
- Business
- Economic Policy
- Economics
- Entrepreneurship
- Finance
- International Business
- Marketing
- Real Estate
- Sport Business Management
- Technological Entrepreneurship

### College of Education
- Coaching
- Early Childhood Development and Education
- Education
- English Language Arts Education
- Exceptional Student Education
- Fitness Training
- Foreign Language Education
- Mathematics Education
- Recreation
- Science Education
- Social Science Education
- Technical Education and Industry Training

### College of Engineering and Computer Science
- Aerospace Studies
- Bioengineering
- Computer Science
- Energy and Sustainability
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems - Interdisciplinary
- International Engineering
- Military Science
- Secure Computing and Networks

### College of Health and Public Affairs
- Aging Studies
- Communication Sciences and Disorders
- Criminal Justice
- Emergency Management and Homeland Security
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Legal Studies
- Nonprofit Management/National Certification Program in Nonprofit Management
- Public Administration
- Urban and Regional Planning

### College of Medicine
- Burnett School of Biomedical Sciences

### College of Sciences
- Actuarial Science
- Anthropology
- Anthropology in Multicultural Studies
- Astronomy
- Biology
- Chemistry
- Crime
- Law
- Deviance
- Diplomacy
- Diversity and Social Inequality
- European Studies
- International and Global Studies
- Interpersonal/Organizational Communication
- Journalism
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematical Biology
- Mathematics
- Medical Anthropology
- Medical Sociology
- North American Indian Studies
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Sociology
- Statistics

### Rosen College of Hospitality Management
- Hospitality Management

### Office of Undergraduate Studies
- Environmental Studies
- Leadership Studies
- World Comparative Studies

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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.granduate.ucf.edu/catalog/](http://www.granduate.ucf.edu/catalog/).
The Burnett Honors College
Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu
Associate Dean: Martin Dupuis
Director of Accounting: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael Callahan
Director of Prestigious Awards: Nicole Gelfert
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Services: Madi Dogariu

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

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, Meditation Garden, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

**University Honors**
Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student's responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida state or community college that have an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses; 2) complete the Honors Freshmen Symposium; and 3) fulfill upper-division Honors course requirements determined by college or major.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

**Summary Table of University Honors Requirements**
- **Symposium:** IDH 1920H
- **Lower-division:** 4 courses
- **Upper-division Major:** 3 courses; Vary by College and Major (see below)

The current upper-division requirements are as follows:

**University Honors Upper-Division Program Requirements:**
- College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Information Technology, Economics (B.A.) and Interdisciplinary Studies majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division courses or Interdisciplinary Seminars

**University Honors Upper-Division Program Requirements:**
- College of Business Administration (Excluding Economics B.A. majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses

Note: Please refer to the "UCF Courses and Descriptions" section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

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

- University Honors Upper-Division Program Requirements:
  College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Engineering courses
     STA 3023H Probability and Statistics for Engineers
     EGN 3310H Engineering Analysis-Statics
     EGN 3321H Engineering Analysis-Dynamics
     EGN 3373H Principles of Electrical Engineering
     EEL 4818H Machine Learning I
     EEL 4817H Machine Learning II
  Consult with an Honors advisor to find out when these courses are being offered.

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

- University Honors Upper-Division Program Requirements:
  College of Medicine (excluding Medical Laboratory Sciences majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two of the following Honors upper-division courses
     BSC 3403H Quantitative Biological Methods
     MCB 3020H Microbiology
     ZOO 3733H Human Anatomy
     PCB 3703H Human Physiology
     PCB 3743H Molecular Biology II
     ZOO 4704H Clinical Neuroneurology
  Consult with an Honors advisor to find out when these courses are being offered.

  1 ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted to the University Honors Program. Extra Upper-Division course(s) can substitute for Lower Division courses.

  2 Honors Freshmen Symposium is a mandatory two credit hour course offered for freshmen in the Fall semester of each year. This course includes guest lectures and discussions. Honors Freshmen Symposium also includes a Service Learning component.

  3 An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

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

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

Notes
Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.

Honors in the Major
Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be published through the University library. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://research.honors.ucf.edu/Honors_in_the_Major/.

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

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

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

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

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

Student-Mentor Academic Research Teams
TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://research.honors.ucf.edu/SMART/.

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

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

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OPA by phone at 407-823-4019, visit BHC 103 or http://www.opa.honors.ucf.edu.
College of Arts and Humanities

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

Associate Dean: Lyman Brodie
CAH 190; 407-823-2251
Associate Dean: Lynn Hepner
CAH 190; 407-823-2251
Assistant Dean: Paul Lartonoix
CAH 190; 407-823-2251
Assistant Dean: Nancy Stanlick
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Modern Languages & Literatures, History, Philosophy, and Writing & Rhetoric. The college houses programs in African-American Studies, American Studies, Asian Studies, Judaic Studies, Latin American Studies, Women’s Studies, and Middle Eastern Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University's General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs

Prelaw Program

Prelaw Advisor: Harry Coverton
PSY 220; 407-823-2273

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement

CAH Student Advising (CAHSA)
Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of Col-lege/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. Questions concerning the re-quirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with an international focus: African-American, American, Asian, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

African-American Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Lynn Hepner; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunéz-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakam Oozoglu; 407-823-2225

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

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

Departments and Programs

African-American Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
http://www.aas.cah.ucf.edu/

The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multi-disciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre. The program’s interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: African-American Studies

American Studies: Program

Contact: Lynn Hepner
CAH 190; 407-823-2251

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

Degrees: None
Tracks: None
Minors: American Studies
Asian Studies: Program
Contact: Paul Giordano
CNH 523; 407-823-2472
An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Foreign Languages, History, Humanities, Philosophy, Political Science).
Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Paul Lartonoix
VAB 117; 407-823-2676
A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.
Degrees: None
Tracks: None
Minors: Community Arts

Department of English
Chair: Patrick Murphy
CNH 405; 407-823-1159
Email: english@ucf.edu
http://www.english.cah.ucf.edu/
Faculty: Angley, Applen, Bartkevicius, Campbell, Casmir-Paz, Cato, Dombrowski, Flammia, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakama, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rus bins, Schell, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, Ulitch, 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 degree plans.

Degrees: English (BA, MA), Creative Writing (MFA)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of History
Interim Chair: John Sacher
CNH 551B; 407-823-2225
Email: history@ucf.edu
http://history.cah.ucf.edu/
Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darby, Farless, Fernandez, Foster, French, Gannon, Gordon, Graham, Head, Herlihy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Lockie-Reed, Pauley, Shoifier

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, African-American Studies, Asian Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latin Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History

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, Caribbean, and Latino Studies
Program Director: José Maunez-Cuadra
CNH 122: 407-823-1173
Email: latinoamericacentral@ucf.edu
http://las.cah.ucf.edu/

The Latin American Studies Minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies
## Department of Modern Languages and Literatures

**Chair:** Paul Giordano  
CNH 523; 407-823-2472  
Email: mllfaculty@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, Spanish  
**Certificates:** TEFL, Translation

## Department of Philosophy

**Chair:** Bruce Janz  
PSY 220; 407-823-4416  
Email: philosophy2@ucf.edu  
http://www.philosophy.cah.ucf.edu/

**Faculty:** Bremneran, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Janz, Jones, Kassim, Kuang, Mundale, Park, Rodgers, Schippert, Stanlick, Strawser, Vest; Professor Emeritus: Congdon, Flick

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

**Degrees:** Philosophy (BA), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)  
**Tracks:** Regular and Honors  
**Minors:** Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion & Popular Culture; Religious Studies

## Department of Writing and Rhetoric

**Chair:** David L. Wallace  
CNH 307I; 407-823-0576  
Email: writingandrhetoric@ucf.edu  
http://writingandrhetoric.cah.ucf.edu/

**Faculty:** Barnickel, Bell, Bibeau, Bowdon, Brain, Bryan, Cavanagh, Curtis, Ethridge, Goram, Hall, Henken, Hepner, Holic, Ives, King, Launier, Marinara, Martinez, Mohrenne, Owens, Pigg, Richardson, Ringfield, Rounsaville, Saper, Schell, Schutz, Scott, Stack, Tripp, Wallace, Walls, Wardle, Weaver, 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 and public writing, the teaching of writing, and the history and theory of rhetoric. Composition and literacy, Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and “Knights Write” Writing Across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

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

## School of Performing Arts

**Director:** TBA

## Department of Music

**Chair:** Jeffrey Moore  
CNH 205; 407-823-2879; Fax: 407-823-3378  
Email: music@ucf.edu  
http://www.music.cah.ucf.edu/

**Faculty:** Allen, Almeida, Anderson, Boukobza, Brodie, Brunner, Danielson, Garcia, Gay, Hunt, Keons, Marosi, Moore, Pherigo, Potter, Ro, Rupert, Scharon, Stephenson, Tobias, Thornton, Warfield, Weremchuk, Wilkinson, Yoneta; Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus; Faculty Emeriti: Whislser, Wolf

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary music. Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

**Degrees:** Music (BA, MA), Music Education (BME), Music Performance (BM)  
**Tracks:** Music Performance, Composition  
**Minors:** Music, Performing Arts Administration

## Department of Theatre

**Chair:** Christopher Niess  
PAC-T210A; 407-823-2862  
Email: theatre@ucf.edu  
http://www.theatre.cah.ucf.edu/

**Faculty:** Boyd, Brotherton, Brown, Chicurel, Harris, Heil, Helsing, Huaxiang, Ingram, Larthonix, Listengarten, McDonald, Niess, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Snyder, St. Claire, Tollesfon, Weaver, Wood; Professor Emeriti: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University and 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 graduating, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.
Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

School of Visual Arts and Design
Interim Director: Paul Lartonoix
VAB 117: 407-823-2676
Email: svadadvising@ucf.edu
http://svad.cah.ucf.edu/


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, ceramics and sculpture and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term. The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term. The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

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

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

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

Degrees: Architecture (BD), Art (BA, BFA, MA, MFA), Digital Media (BA, MA, MFA), Film (BA, BFA, MA, MFA), Photography (BS)
Tracks: Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design
Minors: Art History, Digital Media, Film-Cinema Studies, Studio Art

Women’s Studies: Program
Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womensst@ucf.edu
http://www.womensstudies.cah.ucf.edu/
Faculty: Preston, Santana, Tweed

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

Degrees: BA (Interdisciplinary Studies)
Tracks: Women’s Studies Track in Interdisciplinary Studies
Minors: Women’s Studies, Certificate

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

Dean: Paul Jarley
BA 230; 407-823-2181
http://wclaseb.bus.ucf.edu

Associate Dean: Foard Jones
BA 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 101-W; 407-823-2187

Interim Associate Dean: TBA
BA2 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

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

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

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

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

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

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

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

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
College of Business Administration

BE 2020

UCF Business...the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity.

Today the BE 2020 degree program is a continuing refinement of the curriculum, based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

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

Grade Point Average Requirements

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

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

Student Load

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

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Business program. Only grades of "C" (2.0) or higher transfer into the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule requirements;
   b. All of the common program prerequisite courses.

   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.

   College of Business Administration

   BE 2020

   UCF Business...the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity.

   Today the BE 2020 degree program is a continuing refinement of the curriculum, based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

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

   Grade Point Average Requirements

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

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

   Student Load

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

   Community/Junior College Transfer Notes

   1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

   2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.

   3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
      a. The general education requirements, including Gordon Rule requirements;
      b. All of the common program prerequisite courses.

Advisement

Undergraduate Student Services

Director: TBA

BA2 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BAII 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

Title

Accounting
Business Administration
Economics
Finance
General Business
Management
Marketing
Business (Regional campuses only)
Real Estate

Degree

BSBA, MSA, MST
BA, BSBA, MS, Ph.D.
BSBA
BSBA
BSBA, MS HR
BSBA
BSBA, MSRE

Departments and Programs

Kenneth G. Dixon School of Accounting

Director: Sean Robb

BA 437; 407-823-2871

Assistant to Director: M. Hampton

BA 438; 407-823-5678

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

Mission Statement

The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner communities.

Distinctive Benefits

- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

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

Minors: Accounting
Department of Economics  
Chair: M. Dickie  
BA 305-D; 407-823-3266;  
Email: economics@bus.ucf.edu  

Faculty:  
Ayus, Braun, Buhagiar, Butterfield, Caputo,  
Dickie, Euzent, Gerkling, Gibbs, Guldi, Hoffer, Martin, Milon,  
Moore, Pennington, Potter, Scrogin, Soskin, Underwood  

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

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

The Department of Economics participates in two undergraduate degree programs: the BSBA degree and the BBA degree. The theoretical basis of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.  

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

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

Minors:  
- Economics, Economic Policy  

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

Faculty:  
Ajayi, Anderson, Borde, Byrd, Chen, Choi, Curcio, Frye,  
Gatchev, Gilkerson, Gregg, Park, Ramanial, Schnitzlein, Smith, Strum,  
Sweo, Turnbull, Whyte  

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

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

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

Minors:  
- International Business, Real Estate, Finance  

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

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

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

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

Minors:  
- For non-Business majors  

Department of Management  
Chair: Stephen Goodman  
BA 335; 407-823-2679  

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

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

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

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

Degrees:  
- Management (BSBA), Human Resources (MS)  

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

Minor:  
- Entrepreneurship  

Department of Marketing  
Chair: Ronald E. Michaels  
BA 302; 407-823-2108  
http://www.bus.ucf.edu/marketing/  

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

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

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 19 hours. This course of study provides a strong basic education in marketing for College of Business students with majors other than marketing or students with majors from other Colleges. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits
- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club.

Degrees: Marketing (BSBA)
Tracks: Generalist, Professional Selling Program
Minor: Marketing

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.oelas.ucf.edu/alc/alc_students_cba.htm
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training, and sport and exercise science professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Foreign Language Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training

Success to Significance
- America’s 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Majors in Early Childhood, Elementary, and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of “C-” (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

Transfer Notes:

Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College or State College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:

1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education

2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-5369 or 407-823-3723.

3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.

4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:

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

Office of Student Affairs

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

Mission Statement

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

Clinical Experiences

Director: Bryan Zugelder
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internship experiences. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that 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:
- Internship I: February 15 for Fall semester
- September 15 for Spring semester

Admission to Internship I

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

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75)* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

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

Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam and Professional Education Test before applying for Internship II.
College of Education

- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Development and Education majors.)
- 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

Some programs require that all methods and specialization courses shall be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

Minority Teacher Recruitment and Retention Program (MTRRP)

Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives
- Recruit and retain diverse students interested in teaching
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community involvement and commitment

Scholarship Requirements
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF-College of Education 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

Student Services

Director, Undergraduate Services: Sandra L. Bulger
ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small
ED 110, 407-823-3723
Director, Graduate Services: Andrea Withington
ED 110; 407-823-3723

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

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Development and Education) and passing scores on the General Knowledge Test (GKT).

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

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

Academic Advising Center

Director: Sandra L. Bulger
ED 115; 407-823-0043
Coordinator Academic Advising Services II: Jori Bright
ED 115; 407-823-5369

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

All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment, and advising sessions.

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

Department of Child, Family, and Community Sciences

Chair: Jay R. Hoffman
ED 209-E; 407-823-2595
Faculty Academic Administrator: Roanne G. Brice
ED 206-H; 407-823-0664


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

Students who major in Early Childhood Development and Education can select a teaching track or a child development track. Those who select the teaching track are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate.

Students in the Early Childhood Development Track are interested in working with young children and parents. These students are not seeking teacher certification. This track prepares reflective, competent, and caring professionals to work with a diverse population of young children using research-based, developmentally appropriate practices.
Students majoring in Sport and Exercise Science B.S. can select one of the following specialization areas: Coaching, Human Performance, or Children's Physical Activity and Movement.

Minors are offered in the following disciplines: Early Childhood Development and Education, Exceptional Student Education, Coaching, Fitness Training, and Recreation.

Additionally, several graduate level programs are available in the department:


Exceptional Student Education M.A. or M.Ed. http://education.ucf.edu/exed/

Sport and Exercise Science, M.S. http://education.ucf.edu/sport/exscience/

Exercise Physiology Track in Education Ph.D. http://education.ucf.edu/exercise/

See individual program websites and the graduate catalog for additional details. You can start by going to the Department’s website: http://education.ucf.edu/departments.cfm

Department of Educational and Human Sciences

Chair: Edward “Mike” Robinson ED 209-H; 407-823-6106

Academic Administrator: Brenda Thompson ED 206-E; 407-823-6579

http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers courses and graduate programs in Counselor Education & School Psychology: Higher Education & Policy Studies and Research, Measurement & Evaluation. The Department also offers a number of graduate certificate 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 an undergraduate degree in Technical Education & Industry Training.

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

School of Teaching, Learning and Leadership

Co-Director: Karen L. Biraimah
ED 209-B; 407-823-2426

Co-Director: Michael Hynes
ED 209-D; 407-823-2005

http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and Coordinators:

Janet Zajac
ED 233H; 407-823-0523

Maria Cox
ED 206-D; 407-823-1763

Melissa Feyer
ED 209-C; 407-823-0303

Lindsay Archambault
ED 206-F; 407-823-2881


Elementary Education

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

Secondary Education

Programs in this area are designed for prospective teachers interested in working with students in a specific academic area in middle/junior high school or high school. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education. Programs are available in K-12 areas such as Art Education, Reading Education, Foreign Language Education (French or Spanish) and ESOL Education.

Educational Leadership

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.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oeas.ucf.edu/alc/alc_students_coe.htm
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 four 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, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

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

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

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HM).

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 in the Major Seminar titled Research Methods in Engineering (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. Have a minimum UCF GPA of at least 3.20 in all upper division courses.
3. Have a minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

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

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

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Interim Chair: Essam Radwan
ENG2 211; 407-823-2841
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nam, Nnadi, Oloufa, Radwan, Randall, Reinhart, Taturi, Wang, Yun, Zhang

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

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 synthesizes various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to ethical practice and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which synthesizes various pre-requisite course offerings into a design project. These projects are usually open-ended and duplicate real-world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Environmental Engineering Program Faculty strive to create a high-quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:
1. Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesizes various pre-requisite course offerings into a design project. These projects are usually open-ended and duplicate real-world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high-quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:
1. Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.
of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

Mission
The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes
1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing systems and their applications.
7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complex-
ity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.

12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

By graduation each student should be able to:

1. Apply knowledge of computing and mathematics appropriate to the discipline
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution
3. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
4. Function effectively on teams to accomplish a common goal
5. Understand professional, ethical, legal, security and social issues and responsibilities
6. Communicate effectively with a range of audiences
7. Analyze the local and global impact of computing on individuals, organizations, and society
8. Recognize the need for and an ability to engage in continuing professional development
9. Use current techniques, skills, and tools necessary for computing practice
10. Use and apply current technical concepts and practices in the core information technologies
11. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems
12. Integrate IT-based solutions effectively into the user environment
13. Understand best practices and standards and their application
14. Assist in the creation of an effective project plan

Electrical and Computer Engineering Division

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

Faculty: Batarseh, Behal, DeMara, Georgiopoulos, Gong, Haralambous, Jones, Lin, Liou, Lofflard, Malocha, Mikhail, Qu, Richie, Shen, Simaan, Sundaram, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

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

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

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

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

Educational Objectives

The objectives of the CpE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and
The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Analog and Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives

The objectives of the EE Program at UCF are that:

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

Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to use on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. A recognition of the need for, and an ability to engage in lifelong learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. Knowledge of probability and statistics necessary for use in electrical engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are 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, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

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

Faculty: Cabrease, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Nazzal, Pazour, Pet-Armacost, Proctor, Rabelo, Reilly, Sepulveda, Thompson, Xanthopoulos

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 3354, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4591.

Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value lifelong learning.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

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

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

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

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

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

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

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

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

9. The ability to adapt to sociological and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability for production, and to integrate these concepts to select the best option.

11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.

12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

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

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

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

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

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

Program Outcomes

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

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

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

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

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

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

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

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

9. The ability to adapt to sociological and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.

11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.

12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler
Portable 501, Room 103; 407-823-1247, Fax: 407-823-2265

Faculty/Staff: Major Clark, Major Florence, Captain Johnson, Captain Peloquin, SSgt. Sutton, and Mrs. McDade, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. The program provides on-campus study during the freshman through senior years to earn an Air Force commission while completing their studies. Also available is the Cross-Town program allowing community college transfer students to begin the Air Force ROTC program while dual enrolled in a designated community college for academic classes and at UCF as a non-degree seeking student for Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. 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 be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum

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

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

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

Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies

Successful completion of a summer Field Training course (either four or five weeks)

- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance

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

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. 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@mail.ucf.edu. This information is subject to change.

Summer Training

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

Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.
Army ROTC (Military Science)
Chair: LTC Sean Morgan
Portable 501, Room 110; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu
Faculty/Staff: LTC (R) Morales, MAJ Manrique, MAJ Hillsgrove, MSG Almanzar, SFC Michael, Ms. Brown, Ms. Connor, Mr. Rivera, Ms.Acuaviva, Office Manager

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. The 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 degree in 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. 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-hour leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
   B. Requisites for admission to the Basic Course:
      - Completion of an Army physical examination
      - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
      - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
      - US Citizen
      - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

2. Advanced Military Science
   A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two-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 who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.
   B. Requisites for Admission to the Advanced Course:
      - Successful completion of Basic Course, or placement credit
      - Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
      - Successful completion of an Army physical examination

3. Monetary Allowance
   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

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

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

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

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

2. Specialized Summer Training Courses
   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

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

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

Associate Dean, Academic Affairs and Technology:
Ronnie Korosec, HPA 365; 407-823-0171

Associate Dean, Research: Thomas Wan
HPA 219; 407-823-0170

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

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

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

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

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

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

Programs and Degrees

<table>
<thead>
<tr>
<th>Major</th>
<th>Degree</th>
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</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
</tr>
<tr>
<td>Healthcare Informatics</td>
<td>MS</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
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<td>Health Services Administration</td>
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<tr>
<td>Legal Studies</td>
<td>BA, BS</td>
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<td>Public Administration</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</td>
<td>DPT</td>
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<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
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</table>
Department of Communication Sciences and Disorders
Chair: TBA
HPA2 101, 407-823-4798
http://www.cohipa.ucf.edu/comdis
Clinic Director: Janet Whiteside
Research Pavilion Suite 155, 407-882-0468
Faculty: Barrenche-Doniger, Barrett, Carson, DiNapoli, Dreiling, B. Ehren, T. Ehren, Harvey, Hostetler, Kent-Walsh, Kong, Lieberman, Nye, Parsons, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ruddy, Ryalls, Schwartz, Vanryckeghem, Whiteside
The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathologists or audiology assistants.
The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician's offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.
In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track
Tracks: None
Minors: Communication Sciences and Disorders
Certificates: Language Development and Disorders

Department of Criminal Justice
Chair: Robert Langworthy
HPA 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 which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MS)
Tracks: None
Minors: Criminal Justice

Department of Health Management and Informatics
Chair: TBA
HPA2 210; 407-823-2359
Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West
The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration
The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines. The program attracts a diverse student population interested in health care management. Students without a background in the healthcare industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.
The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.
The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management
Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.
The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The HIIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
The School of Public Administration offers a variety of degrees, including those in Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Minor leading to National Certification by the Nonprofit Leadership Alliance.

**Degrees:** Public Administration (BA, BS, MPA, MNM, MRA, MSURP)

**Tracks:** None

**Minors:** Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Minor leading to National Certification by the Nonprofit Leadership Alliance

**Certificates:** Nonprofit Management

The School of Public Administration is an access program that requires a separate application to the School of Social Work for undergraduate programs in the College of Health and Public Affairs.

**Academic Learning Compacts (student learning outcomes)** for undergraduate programs in the College of Health and Public Affairs are located at: [http://oeas.ucf.edu/aalc/aalc_students_cohpa.htm](http://oeas.ucf.edu/aalc/aalc_students_cohpa.htm)
College of Medicine
Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

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

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education: Lon Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335J; 407-823-5932; Fax 407-823-3095

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. BSBS additionally offers a B.S. in Biotechnology, B.S. in Medical Laboratory Sciences and graduate programs in Biomedical Sciences and Biotechnology. The College also offers an MD program at the new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students.

Programs and Degrees

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<td>Biomedical Sciences (Preprofessional Concentration)</td>
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<tr>
<td>Biotechnology</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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</table>

College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.
Vision
The University of Central Florida College of Medicine will be the nation’s premier 21st century college of medicine — a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.

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

Program in Biomedical Sciences

**Director:** Pappachan Kolattukudy  
BL 136; 407-823-1312; Fax: 407-823-0956

**Associate Director of Academic Affairs (Burnett School of Biomedical Sciences):** Roseann White
HPA2 335J; 407-823-5932; Fax 407-823-3096

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Preprofessional Coconetration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences prepares students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist applicants with preparation for admission to professional schools in health sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomedical Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences

**Undergraduate Coordinator:** Dorilyn Hitchcock  
HPA2 335A; 407-823-5932

**Graduate Coordinator (M.S. program):** Saleh Naser
BL 221; 407-823-0956

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

**Degrees:** Biomedical Sciences (B.S., M.S.)  
Biomedical Sciences Preprofessional Concentration (B.S.)

**Tracks:** None

**Minors:** Biomedical Sciences

Program in Biotechnology

**Undergraduate Coordinator:** Dorilyn Hitchcock
HPA2 335A; 407-823-5932

**Graduate Coordinator:** Saleh Naser
BL 221; 407-823-0956

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

**Degrees:** Biotechnology (B.S., M.S., M.S./M.B.A.)

**Tracks:** None

**Minors:** None

Program in Medical Laboratory Sciences

**Director:** Dorilyn Hitchcock
HPA2 335A; 407-823-5932

Medical technologists 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)

**Assistant Director:** Amanda Colee
HPA2 335A; 407-823-5932

**Academic Advisor:** Cynthia Contreras
HPA2 336; 407-823-5932

**Academic Advisor:** Ana Maria Schwindt
HPA2 337; 407-823-5932

Email: bcbinfo@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, university policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Pre-Health Professions Advisement Office

**Director:** Genaro Lopez
HPA 124; 407-823-2670

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

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

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

College of Medicine
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN track. Graduates completing the BSN program are eligible for the Accelerated Second Degree BSN option. The BSN program is accredited by the Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing. Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

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

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oaas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 43 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

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

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

Programs and Degrees

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<th>Degree</th>
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<td>BA, MA, Minor</td>
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<td>Anthropology in Multicultural Studies</td>
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<td>Biology - Pre Professional Health Programs</td>
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<td>International &amp; Global Studies</td>
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<td>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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<tr>
<td>Mathematics</td>
<td>BS, Certificate, MS, PhD, Minor</td>
</tr>
<tr>
<td>Maya Studies</td>
<td>Certificate</td>
</tr>
<tr>
<td>Medical Anthropology</td>
<td>Minor</td>
</tr>
<tr>
<td>Medical Sociology</td>
<td>Minor</td>
</tr>
<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Physics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Political Science - Pre Law</td>
<td>BA Track, Minor</td>
</tr>
<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Radio-Television</td>
<td>BA</td>
</tr>
<tr>
<td>Social Sciences Interdisciplinary</td>
<td>BS</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
</tr>
</tbody>
</table>
Department of Chemistry

Chair: Kevin D. Belfield
CH 117; 407-823-2246
Email: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Daoudi, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpakchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. 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: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

Minors: Chemistry

Nicholson School of Communication

Director: Robert C. Chandler
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6757

Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681;
Email: nassc@mail.ucf.edu


The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Interpersonal-Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and/or online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.
Facilities
The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facilities, 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 Interpersonal-Organizational (I-O) Communication program has a presessional speaking classroom equipped for audio/video record/playback and computerized visual presentation. The I-O 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), Interpersonal-Organizational Communication (BA), Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist

Minors: Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MAP 209; 407-823-2826
Email: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Joseph P. Brennan
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Negron, Nevai, Pensky, Plemons, Qi, Reid, Richardson, Rollins, Ronkese, Schober, Schweitzer, Shah, Shivamoggi, Skripka, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, Wocjan, Yong, Young, Zhao, Zinchenko

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
Minors: Mathematics

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

Faculty: Al-Rawi, Bhattacharya, Bindell, Britt, Bruckner, Campins, Chang, Chen, Chernyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Flitsiyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khodaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

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

Department of Political Science
Chair: Kerstin Hamann
PH 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Associate Chair: Barbara Kinsey
PH 302; 407-823-2608


The Department of Political Science seeks to:

1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:
Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
Environmental Studies: Contact Dwight Kiel or Peter Jacques.
European Studies: Contact Kerstin Hamann or Barbara Kinsey.
Global and International Studies: Contact Warlaut Q. Morales or Roger Handberg or Aubrey Jewett.
Latin American and Iberian Studies: Contact Warlaut Q. Morales or Bruce Wilson.
Space Studies: Contact Roger Handberg.
Women’s Studies: Contact Terri S. Fine.

Degrees: Political Science (BA, MA),
International and Global Studies (BA)

Tracks: American Politics, International Relations & Comparative Politics, Prelaw

Minors: Political Science, Political Science/Prelaw, European Studies, International and Global Studies

Certificates: Diplomacy Certificate

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

Associate Chair: Bernard Jensen
PSY 301; 407-823-2216


Faculty Emeritus: Abbott, Burroughs, Gilson, Morgan, Pritchard Rollins, Thomas-Jenkins, Tucker.
The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)

Tracks: None

Minors: Psychology

Certificates: Behavioral Forensics

Department of Sociology
Chair: Jana Jasinski
PH 403B; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: D. Gay

Faculty: Anthony, Canan, Sc, Carter, Sh. Carter, Cook, Corzine, Donley, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Loree, Lynxwiler, Mustaine, Pals, Reckdenwald, Rivera, Sikorska-Simmons, Warren, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees: Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)

Tracks: Domestic Violence (MA)

Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

Department of Statistics
Chair: D. Nickerson
CCII 206; 407-823-5528
http://statistics.cos.ucf.edu/

Faculty: Cutchins, Jasen, Johnson, Maboudou-Tchao, Ni, Pensky, Ren, Richardson, J. Schott, S. Schott, Uddin, Wang, Yan

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)

Tracks: Data Mining

Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oeas.ucf.edu/alc/alc_students_cosci.htm
The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

**Academic Services**

*Interim Associate Dean and Director:* Heath Martin  
*MH 210; 407-823-2691*  

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

**Bachelor of Applied Science**

*Interim Vice Provost and Dean:* Elliot Vittes  
*MH 218; 407-823-2373*  

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

**Office of Experiential Learning**

*Director:* Sheri Dressler  
*CSEL 300; 407-823-2667*  

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 teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, compile 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. Our primary goal is to ensure that students have access to and include experiential learning courses in their academic 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.
McNair Scholars Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
Email: is@mail.ucf.edu
Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Cheatwood-Alvarez, Jessica Simmons, Marcelle Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

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

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey
FC 203: 407-823-3033
http://www.oppa.ucf.edu/

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

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://ramp.ucf.edu/

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

Office of Undergraduate Research
Director: Kimberly Schneider
CC2 209; 407-823-3125
http://www.our.ucf.edu/

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oeas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management
Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819;
407-903-8000
http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112


The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

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

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

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

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

Minor: Hospitality Management

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

Accounting
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biology - Preprofessional Concentration
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Business Administration
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar's Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education Track 2: Early Childhood Development
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
Foreign Language Education - French
Foreign Language Education - Spanish
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
General Business
General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Humanities
Humanities - Philosophy, Religion, & Popular Culture Track
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Interpersonal/Organizational Communication
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
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religious Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Social Science Education - Physics
Social Science Education - 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
Accounting (B.S.B.A.)
College of Business Administration
Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101
http://www.bus.ucf.edu
Phone: 407-823-2184

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

Admission Requirements

■ Completion of the General Education program and Gordon Rule, or an AA Degree from a Florida Public Community College, or a Florida Public University prior to admission to this degree.
■ See Common Program Prerequisites.

Degree Requirements

■ Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have a “C” (2.0) or better in each common program prerequisites class.
■ A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed.

Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
■ Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
■ Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
■ A grade of “C” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics 3 hrs
   or
   Suggested ECO 2023 Principles of Microeconomics 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
   Required GS 2100C Computer Fundamentals for Business 3 hrs
   Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics 3 hrs
   or
   Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

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

2. Common Program Prerequisites (CPP) (18 hrs)
   Must be completed with a “C” (2.0) or better.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 3411 Quantitative Business Tools I 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain and Operations Management 4 hrs

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

Required courses for major: 24 hrs
   ACG 3131 Intermediate Financial Accounting I 3 hrs
   ACG 3141 Intermediate Financial Accounting II 3 hrs
   ACG 3361 Cost Accounting I 3 hrs
   ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   ACG 4401C Accounting Information Systems 3 hrs
   ACG 4651 Auditing 3 hrs
   ACG 4803 Contemporary Issues in Accounting 3 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives
   None

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

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

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

   Graduation
   None

8. Electives
   None
UCF Degree Programs

9. Additional Requirements
   ■ None

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ None

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
   ■ Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
   ■ Students accepted into the Honors in the Major Program must complete either:

   Take all of the following sequences:

   ACG 4903H Honors Directed Reading I or 3 hrs
   ACG 4804H Honors Directed Reading II 3 hrs

   and

   ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
   ■ None

Certificates
   ■ None

Related Minors
   ■ None

Advising Notes
   ■ Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
   ■ Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
   ■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   ■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
   ■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
   ■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   ■ Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

AGG 2021 Principles of Financial Accounting 3 hrs
   may be substituted with:

AGG 2001 and AGG 2011

Plan of Study

Freshman Year - Fall
   ENC 1101 Composition I 3 hrs
   MAC 1105C College Algebra 3 hrs
   Cult-Hist I* 3 hrs
   Pay/Art/Soc Science 3 hrs

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

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

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

Junior Year - Fall
   ACG 3131 Intermediate Financial Accounting 3 hrs
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   MAR 3203 Supply Chain and Operations Management 4 hrs

Junior Year - Spring
   ACG 3141 Intermediate Financial Accounting II 3 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Fall
   ACG 3361 Cost Accounting I 3 hrs
   ACG 4410C Accounting Information Systems 3 hrs
   FIN 3403C Business Finance 4 hrs
   MAN 3025 Management of Organizations 4 hrs

Senior Year - Spring
   ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   ACG 4651 Auditing 3 hrs
   ACG 4803 Contemporary Issues in Accounting 3 hrs
   MAN 4720 Strategic Management 4 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Advertising—Public Relations (B.A.)

Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Rebecca Morales - Academic Support, rebecca.morales@ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- Students must successfully complete, or be enrolled in, the following courses before applying:

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

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

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000–4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select either 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   Select one course from group B 2. 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 Exam. 3 hrs

   Statistics 3 hrs
   Required STA 2014C Principles of Statistics or 3 hrs
   May substitute a more advanced STA course. 3 hrs

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

   Social Sciences 3 hrs
   Required ANT 2000 General Anthropology or 3 hrs
   Required PSY 2012 General Psychology or 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   Select either Economics course:
   ECO 2013 Principles of Macroeconomics or 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

   Select either Speech course:
   SPC 1608 Fundamentals of Oral Communication or 3 hrs
   SPC 1603 Fundamentals of Technical Presentations 3 hrs

   3. Core Requirements: Basic Level (6 hrs)
   All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
   Must be in progress or completed before applying to the program:

   Complete all of the following: 6 hrs
   ADV 3008 Principles of Advertising and 3 hrs
   PUR 4000 Public Relations 3 hrs
May be completed before or after admission to the program:

Complete either economics class:
- ECO 2023 Principles of Microeconomics or
- ECO 2013 Principles of Macroeconomics

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

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

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
- PUR 4941 Internship

5. Restricted Electives (12 hrs)

Select from the following after admission to the program:
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4260 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

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or
- PUR 4941 Internship

6. Capstone Requirements

The following Advanced Core course meets the Capstone Requirement:
- MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 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 65 hour Liberal Arts requirement.

9. Additional Requirements

None

10. Required Minors

None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements

- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall “C” GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Marketing
- Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- Hospitality Management
- Marketing
- Political Science
- Psychology
- Sociology

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
- ADV 3008 Principles of Advertising 3 hrs
- GEP- Economics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-take outside of NSC 3 hrs

Sophomore Year - Spring 15 hrs
- Elective-take outside of NSC 3 hrs
- PUR 4000 Public Relations 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Apply to the program
### Prerequisites before transferring

Students should complete the General Education Program (GEP) and the Common Program Prerequisites of the Florida State University/Community College Systems to minimize excess hours. Students transferring to UCF from other institutions should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to ensure they meet the requirements of the UCF GEP and the allowable substitutions in this catalog. Engineering students should closely study the General Education Program section, located elsewhere in this catalog.

### UCF General Education Program (GEP) (38 hrs)

#### Core Requirements: Basic Level (2 hrs)

- AP MAC 2311C Calculus with Analytic Geometry I 4 hrs
- AP MAC 2312 Calculus with Analytic Geometry II 4 hrs
- AP PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Core Requirements: Advanced Level (51 hrs)

- AP MAC 2311C Calculus with Analytic Geometry I 4 hrs
- AP MAC 2312 Calculus with Analytic Geometry II 4 hrs
- AP PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Core Requirements: Advanced Level for Aerospace Engineering (B.S.A.E.) (38 hrs)

#### Core Requirements: Basic Level (2 hrs)

- AP MAC 2311C Calculus with Analytic Geometry I 4 hrs
- AP MAC 2312 Calculus with Analytic Geometry II 4 hrs
- AP PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Core Requirements: Advanced Level (51 hrs)

- AP MAC 2311C Calculus with Analytic Geometry I 4 hrs
- AP MAC 2312 Calculus with Analytic Geometry II 4 hrs
- AP PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Equipment Fees

- Full-Time Student: $44 per term
- Part-Time Student: $22 per term

### Program Academic Learning Compacts

- Program Academic Learning Compacts provide student learning outcomes for undergraduate programs located at:
  - [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

### Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C“ (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements

- None

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

2. Common Prerequisites (CPP) (19 hrs)

### Aerospace Engineering (B.S.A.E.)

### College of Engineering and Computer Science

### Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307

### http://www.mmae.ucf.edu

### Email: mmaeugrad@ucf.edu

Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137

Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448

Phone: 407-823-2416

### Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C“ (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.

- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements

- None

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

2. Common Prerequisites (CPP) (19 hrs)

### 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.

- EGN 1007C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

### Core Requirements: Advanced Level (51 hrs)

- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
UCF Degree Programs

STA 3032 Probability and Statistics for Engineers  GEP
EAS 3101 Fundamentals of Aerodynamics  3 hrs
EAS 3800C Aerospace Engineering Measurements  3 hrs
EAS 3810C Design of Aerospace Experiments  3 hrs
EAS 4105 Flight Mechanics  3 hrs
EAS 4134 High-Speed Aerodynamics  3 hrs
EAS 4300 Aerothermodynamics of Propulsion  3 hrs
Systems
EMG 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://mmae.ucf.edu/Academics/undergraduate.html

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
Select 1:
  - EAS 4700C Aerospace Design I or 3 hrs
  - EGN 4412C Interdisciplinary Design I 3 hrs
Select 1:
  - EAS 4710C Aerospace Design II or 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1:
  1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
  or
  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 15 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 1:
  - SPC 1603 Fundamentals of Technical Presentations 3 hrs
  or
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 12 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs

Sophomore Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2012-2013
Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oed.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Anthropology (B.A.)

College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, jschultz@ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America and the Caribbean.

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:
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics

   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
- Suggested STA 2014C Principles of Statistics

D: Social Foundations (6 hrs)
- Required ANT 2000 General Anthropology
- Select from GEP D.1 list

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

2. Common Program Prerequisites (CPP)
   - See Transfer Notes for possible substitutes
   - See "Common Prerequisites" in the Transfer and Transitions Services section

- Required ANT 2511 The Human Species
- Select from GEP D.1 list

3. Core Requirements: Basic Level (6 hrs)
   Core-Required, also satisfy the CPP
   - Required ANT 2000 General Anthropology and
   - Required ANT 2511 The Human Species

Core-Additional requirements (6 hrs)
- Required ANT 2140 Archaeology and the Rise of Human Culture and
- Required ANT 2410 Cultural Anthropology

4. Core Requirements: Advanced Level (12 hrs)
   - Required ANT 3145 Archaeology of Complex Societies
   - Required ANT 3610 Language and Culture
   - Required ANT 4034 History of Anthropological Thought
   - Required ANT 4586C Human Origins

5. Restricted Electives (21 hrs)
   - Select from the following courses:

   Area Study (3 hrs)
   - Select from the following courses:
Restricted Electives 18 hrs
- Select additional Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).
  - ANT 2511L Physical Anthropology Lab 1 hr
  - ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead 3 hrs
  - ANT 3943 Caribbean Archaeology Practicum 3 hrs
  - ANT 3106 Archaeology and Popular Culture 3 hrs
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - ANT 3142 Old World Prehistory 3 hrs
  - ANT 3173 Archaeology of Sex 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3245 Native American Religion 3 hrs
  - ANT 3262 Rural Society 3 hrs
  - ANT 3273 Law and Culture 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 3330 Cultural Ecology of Amazonia 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - ANT 3398 Black/Seminole Relations 3 hrs
  - ANT 3450 Living in the USA: Anthropological Perspectives 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
  - ANT 3949 Cooperative Education in Anthropology 0 hrs
  - ANT 3955 Study Abroad 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
  - ANT 4180 Seminar in Laboratory Analysis 3 hrs
  - ANT 4183 Archaeological Sciences 3 hrs
  - ANT 4184 Mortuary Archaeology 3 hrs
  - ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - ANT 4408 Culture, Disease, and Healing 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4580 Anthropological Perspectives on Human Growth 3 hrs
  - ANT 4702 Culture, Power and Development 3 hrs
  - ANT 4802 Ethnographic Field Methods 3 hrs
  - ANT 4824 Advanced Archaeological Fieldwork 9 hrs
  - ANG 5169 Problems in Maya Studies 3 hrs
  - ANG 5167 Maya Hieroglyphs 3 hrs
  - ANG 5228 Maya Iconography 3 hrs
  - ANG 5622 Language, Culture and Pedagogy 3 hrs
  - ANG 5742 Problems in Forensic Anthropology 3 hrs
  - ANG 5822 Maya Field Research 3 hrs

1 Alternatively, seniors may select the 5000 level equivalent, but not both.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language.
Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of “C” (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- International and Global Studies
- Judaic Studies
- Latin American Area Studies
- Medical Anthropology
- Medical Sociology
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
122 Undergraduate Catalog 2012-2013
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 Community 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.
- Participate in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

ARC 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
ARC 4323L Architectural Design 8 6 hrs
ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives (10 hrs)
- Any 3000 or 4000 level course offered within the college.

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
- None

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student: $90.00 per term

Art - Emerging Media Track (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:
- Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems.

UCF Degree Programs

Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.

Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- 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.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “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.
- 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.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

   Take all of the following: 6 hrs
   Required: ARH 2050 History of Western Art I and 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1 3 hrs

   C: Mathematical Foundations (7 hrs)

   Take all of the following: 7 hrs
   Required MAC 1105C College Algebra and 3 hrs
   Required COP 2500C Concepts in Computer Science 4 hrs

   D: Social Foundations (6 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals - Two Dimension</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 2203C</td>
<td>Design Fundamentals - Three Dimension</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GRA</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2101C</td>
<td>Any ART prefix, studio, or media courses at the 2000-4000 levels</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>See &quot;Common Prerequisites&quot; in the Transfer and Transitions Services section for more information</td>
<td></td>
</tr>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2623</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>GEP</td>
</tr>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2109C</td>
<td>Digital Imaging Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 302A</td>
<td>Digital Cultures &amp; Narrative</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3490C</td>
<td>Computer as a Medium</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3202C</td>
<td>Type &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 395D</td>
<td>Graphic Design Portfolio Application</td>
<td>0 hrs</td>
</tr>
<tr>
<td>GRA 3102C</td>
<td>Intermediate Graphic Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3112C</td>
<td>Intermediate Graphic Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3803C</td>
<td>Intermediate Computer Graphic Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 4196C</td>
<td>Advanced Graphic Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 4197C</td>
<td>Special Problems in Graphic Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3202C</td>
<td>Type &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 395D</td>
<td>Graphic Design - Restricted Electives - 21 hours</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td>Complete 21 hours of credits from the following areas: 21 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.</td>
<td></td>
</tr>
<tr>
<td>DIG 3951</td>
<td>Character Animation Portfolio Review</td>
<td>0 hrs</td>
</tr>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3734C</td>
<td>Intermediate Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3355C</td>
<td>Artificial Environments and Effects</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3433C</td>
<td>Visual Storytelling and Visual Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4206C</td>
<td>New Imagery in Motion Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4395C</td>
<td>Artificial Environments and Effects</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4394C</td>
<td>Motion Graphics: Advanced Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4434C</td>
<td>Narrative Techniques in the Moving Image</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4451C</td>
<td>Visual Storytelling and Visual Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4486C</td>
<td>Visual Language of Moving Image II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
</tr>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
<td>3 hrs</td>
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<tr>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
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<td>DIG 4206C</td>
<td>New Imagery in Motion Workshop</td>
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<td>Artificial Environments and Effects</td>
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</tr>
<tr>
<td>DIG 4486C</td>
<td>Visual Language of Moving Image II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restrictions
- **Experimental Animation**
  - 12 hours from 3000 or 4000 level courses approved by the School.

### General Requirements
- **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**
  - Unrestricted electives - credit hours varies with specialization
  - Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

### Total Semester Hours Required
- 124

### Honors in Major
- None

### Related Programs
- English - Technical Communication
- Certificates
- None

### Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

### Advising Notes
- None

### Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- None
## UCF Degree Programs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

### Art - History Track (B.A.)

#### College of Arts and Humanities

#### School of Visual Arts and Design, Visual Arts Building,

Room: 117


Margaret Zaho
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a school advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
</tr>
<tr>
<td>Required ARH 2050 History of Western Art I 3 hrs</td>
</tr>
<tr>
<td>Required ARH 2051 History of Western Art II 3 hrs</td>
</tr>
<tr>
<td>Select a course from group B 1 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math: 3 hrs</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.

#### Statistics - Computers (3 hrs)

Select a course from GEP C.2 list

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
</table>

#### 2. Common Program Prerequisites (CPP) (6 hrs)

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

<table>
<thead>
<tr>
<th>ARH 2050 History of Western Art I 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051 History of Western Art II 3 hrs</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional 3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I 3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (3 hrs)

| ARH 2500 History of Non-Western Art 3 hrs |

#### 4. Core Requirements: Advanced Level (15 hrs)

<table>
<thead>
<tr>
<th>ARH 4310 Italian Renaissance Art 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430 19th Century Art 3 hrs</td>
</tr>
<tr>
<td>ARH 4450 20th Century Art 3 hrs</td>
</tr>
<tr>
<td>ARH 4800 Theory and Criticism of the Visual Arts 3 hrs</td>
</tr>
<tr>
<td>ENC 3315 Advanced Argumentative Writing 3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (24 hrs)

Select one Non-Western/Ancient Art History course from the following:

<table>
<thead>
<tr>
<th>ARH 3520 African Art</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3670 20th Century Latin American Art</td>
</tr>
<tr>
<td>ARH 4130 Greek Art and Architecture</td>
</tr>
<tr>
<td>ARH 4150 Roman Art and Architecture</td>
</tr>
<tr>
<td>ARH 4540 Art of India</td>
</tr>
<tr>
<td>ARH 4653 Meso American Art</td>
</tr>
</tbody>
</table>

One of the following courses:

<table>
<thead>
<tr>
<th>ARH 4200 Medieval Art</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4350 Baroque Art</td>
</tr>
<tr>
<td>ARH 4871 Women in Art</td>
</tr>
</tbody>
</table>

Select 18 additional hours from the following: 18 hrs

<table>
<thead>
<tr>
<th>ARH 3471 Art in the Last 25 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3520 African Art</td>
</tr>
<tr>
<td>ARH 3610 American Art</td>
</tr>
<tr>
<td>ARH 3670 20th Century Latin American Art</td>
</tr>
<tr>
<td>ARH 3710 History of Photography I</td>
</tr>
<tr>
<td>ARH 3713 20th Century Photographic History</td>
</tr>
<tr>
<td>ARH 3720 History of Prints</td>
</tr>
<tr>
<td>ARH 3728 History of Illustration</td>
</tr>
<tr>
<td>ARH 3820 Visual Arts Administration Vitas</td>
</tr>
<tr>
<td>ARH 4130 Greek Art and Architecture</td>
</tr>
<tr>
<td>ARH 4150 Roman Art and Architecture</td>
</tr>
<tr>
<td>ARH 4200 Medieval Art</td>
</tr>
<tr>
<td>ARH 4350 Baroque Art</td>
</tr>
<tr>
<td>ARH 4352 Italian Baroque Art</td>
</tr>
<tr>
<td>ARH 4653 Meso American Art</td>
</tr>
<tr>
<td>ARH 4871 Women in Art</td>
</tr>
<tr>
<td>ARH 5897 Advanced Seminar in Art History</td>
</tr>
<tr>
<td>ARH 3XXX-XXXX Additional Art History course</td>
</tr>
</tbody>
</table>

#### 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” GPA (2.0) in courses within the major.
- Computer Competency met by one of the following:

<table>
<thead>
<tr>
<th>STA 1063C Basic Statistics Using Microsoft Excel</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
</tr>
<tr>
<td>ARH 3820 Visual Arts Administration Vitas</td>
</tr>
</tbody>
</table>

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
<table>
<thead>
<tr>
<th>Year</th>
<th>Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Fall</td>
<td>12</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Fall</td>
<td>15</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Spring</td>
<td>15</td>
</tr>
<tr>
<td>Junior</td>
<td>Fall</td>
<td>16</td>
</tr>
<tr>
<td>Junior</td>
<td>Spring</td>
<td>18</td>
</tr>
<tr>
<td>Senior</td>
<td>Fall</td>
<td>15</td>
</tr>
</tbody>
</table>

**Plan of Study**

- **Freshman Year - Fall**: ARH 2050 History of Western Art I (3 hrs), ENC 1101 Composition I (3 hrs), HUM 2210 Humanistic Tradition I (3 hrs), MGF 1106 Finite Mathematics (3 hrs).
- **Sophomore Year - Fall**: ART 2201C Design Fundamentals-Two Dimensional (3 hrs), ART 2300C Drawing Fundamentals I (3 hrs), COM 1000 Introduction to Communication (3 hrs), ENC 3315 Advanced Argumentative Writing (3 hrs), POS 2041 American National Government (3 hrs).
- **Sophomore Year - Spring**: ARH 4871 Women in Art (3 hrs), ANT 2000 General Anthropology (3 hrs), BSC 1005 Biological Principles (3 hrs), CHM 1020 Concepts in Chemistry (3 hrs), SPN 1120C Elementary Spanish Language and Civilization I (4 hrs).
- **Junior Year - Fall**: ARH 3720 History of Prints (3 hrs), ARH 4130 Greek Art and Architecture (3 hrs), ARH 4430 19th Century Art (3 hrs), ARH 4800 Theory and Criticism of the Visual Arts (3 hrs), SPN 1121C Elementary Spanish Language and Civilization II (4 hrs).
- **Junior Year - Spring**: ARH 3610 American Art (3 hrs), ARH 4310 Italian Renaissance Art (3 hrs), ARH 4450 20th Century Art (3 hrs), ARH 4200 Medieval Art (3 hrs), SPN 2200 Intermediate Spanish Language and Civilization I (3 hrs).
- **Senior Year - Fall**: ARH 4350 Baroque Art (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs).

**A: Communication Foundations** (9 hrs)

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Full-Time Student: $63 per term
- Part-Time Student: $31.50 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**


**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.

**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.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.

- Students who do not meet these requirements may petition the BFA committee for acceptance.

**Notes**

- “C-” (1.75) or below grades from other institutions do not meet departmental requirements.

- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.

**University of Central Florida**

127 Undergraduate Catalog 2012-2013
## UCF Degree Programs

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

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select a course from group B.1 3 hrs

### C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

- MGF 1106 Finite Mathematics or
- MGF 1107 Explorations in Mathematics

(may substitute a higher level math)

### D: Social Foundations (6 hrs)

### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Non-Western Art</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>GEP</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2202C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
<td>CPP</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

#### a. Specialization: 18 hrs

Select six upper division courses from one area:

**Book Arts**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3170C Book Binding or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3171C Materials for Artist Books or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3175C Advanced Issues in Contemporary Book Arts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3176C The Illuminated Book or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3737C Narrative Sculpture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4172C Book Repair and Restoration or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4173C The Artist Book or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4174C The Printed Book or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4177C Commercial Book Design and Publishing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4644C Books Without Books</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Ceramics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3761C Intermediate Ceramics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3764C Ceramic Handbuilding I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4783C Advanced Ceramics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Drawing**

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

**Drawing/Printmaking Combination**

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

**Drawing/Illustration Combination**

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

**Painting**

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

### 5. Restricted Electives (42 hrs)

**a. Specialization:** 18 hrs

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

**b. Electives in Art:** 15 hrs

- Select five Art courses; two of which may be lower division.
- Select three upper division Art History courses or
- Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement

**Graduation**

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

### 8. Electives

- Select primarily from upper level courses, with school advisor's approval. May be outside of the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

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

- ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)
- Achieve at least a “B” GPA (3.0) overall in courses within the major.
- Each senior is required to submit a portfolio of representative work in the student's specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required

- 120

**Honors in Major**

- None

**Related Programs**

- Art - History Track
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

**Certificates**

- None

**Related Minors**

- Community Arts - PAVE
B: Cultural & Historical Foundations (9 hrs)
Required ARH 2050 History of Western Art I 3 hrs
Required ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)
Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level
None

5. Restricted Electives (27 hrs)
Select nine upper division courses in three areas:
Art History
Any upper level ARH course

Book Arts
ART 3170C Book Binding 3 hrs
ART 3171C Materials for Artist Books 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
ART 3176C The Illuminated Book 3 hrs
ART 3737C Narrative Sculpture 3 hrs
ART 4172C Book Repair and Restoration 3 hrs
ART 4173C The Artist Book 3 hrs
ART 4174C The Printed Book 3 hrs
ART 4177C Commercial Book Design and Publishing 3 hrs
ART 4644C Books Without Books 3 hrs

Ceramics
ART 3761C Intermediate Ceramics 3 hrs
ART 4783C Advanced Ceramics 3 hrs

Drawing and Printmaking
ART 3332C Intermediate Drawing 3 hrs
ART 3433C Screenprinting 3 hrs
ART 4320C Advanced Drawing 3 hrs
ART 4402C Advanced Printmaking 3 hrs

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

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

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

Advising Notes
None

Transfer Notes
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
GRA 2101C. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $31.50 per term
Full-Time Student: $63.00 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.

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
Co-op credit cannot be used in the major.
Students should consult with a school advisor in their specialization.
Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000- level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

2. Common Program Prerequisites (18 hrs)

3. Core Requirements (6 hrs)

4. Core Requirements: Advanced Level
None

5. Restricted Electives (27 hrs)
Select nine upper division courses in three areas:
Art History
Any upper level ARH course

Book Arts
ART 3170C Book Binding 3 hrs
ART 3171C Materials for Artist Books 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
ART 3176C The Illuminated Book 3 hrs
ART 3737C Narrative Sculpture 3 hrs
ART 4172C Book Repair and Restoration 3 hrs
ART 4173C The Artist Book 3 hrs
ART 4174C The Printed Book 3 hrs
ART 4177C Commercial Book Design and Publishing 3 hrs
ART 4644C Books Without Books 3 hrs

Ceramics
ART 3761C Intermediate Ceramics 3 hrs
ART 4783C Advanced Ceramics 3 hrs

Drawing and Printmaking
ART 3332C Intermediate Drawing 3 hrs
ART 3433C Screenprinting 3 hrs
ART 4320C Advanced Drawing 3 hrs
ART 4402C Advanced Printmaking 3 hrs

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

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

Photography
PGY 3410C Intermediate Photography 3 hrs
PGY 4420C Advanced Photography 3 hrs
PGY 4440C Special Problems in Photography 3 hrs
UCF Degree Programs

Sculpture

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3709C</td>
<td>Intermediate Sculpture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4710C</td>
<td>Advanced Sculpture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May be repeated for credit.

Type and Design

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 3202C</td>
<td>Type &amp; Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.

Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve at least a GPA (2.0) overall in courses within the major.

- Computer Competency met by:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art Education
- Art - Emerging Media Track

Certificates

- None

Related Minors

- Digital Media

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

May be substituted with:

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<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>ART 2823</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimension</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
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Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
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Junior Year - Fall

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<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C</td>
<td>Intermediate Drawing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3747C</td>
<td>Intermediate Illustration I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>Civilization I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
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Junior Year - Spring

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ART 3161</td>
<td>Mixed Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4320C</td>
<td>Advanced Drawing</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>Civilization II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
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Senior Year - Fall

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<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4300</td>
<td>Baroque Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4320C</td>
<td>Advanced Drawing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3410C</td>
<td>Intermediate Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
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Senior Year - Spring

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<th>Course</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 4154C</td>
<td>Advanced Illustration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4420C</td>
<td>Advanced Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design

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

407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements

- None
Degree Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Statistics - Computers

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

3. Core Requirements: Basic Level (6 hrs)

4. Core Requirements: Advanced Level (3 hrs)

5. Restricted Electives (21 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Electives

- (Credit hours are variable)
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120
UCF Degree Programs

Honors in Major
- None

Related Programs
- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 15 hrs
- ARH 2051 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- 1 HUM 2210 Humanistic Tradition I 3 hrs
- 2 MGF 1106 Finite Mathematics 3 hrs
- ART 2823 Art as Interface 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- 1 Supporting Elective 3 hrs

Sophomore Year - Fall 15 hrs
- 1 COM 1000 Introduction to Communication 3 hrs
- 2 POS 2041 American National Government 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

Sophomore Year - Spring 15 hrs
- 1 ANT 2000 General Anthropology 3 hrs
- 2 BSC 1005 Biological Principles 3 hrs
- 3 CHM 1020 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Junior Year - Fall 15 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- 2 Restricted Elective 3 hrs
- 3 Supporting Elective 1 hr
- 3 Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- 1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- 2 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs
- 3 Supporting Elective 3 hrs
- 3 Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
- 1 Restricted Elective 3 hrs
- 1 Restricted Elective 3 hrs
- 2 Supporting Elective 3 hrs
- 2 Supporting Elective 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs

Senior Year - Spring 15 hrs
- 1 Restricted Elective 3 hrs
- 1 Restricted Elective 3 hrs
- 2 Supporting Elective 3 hrs
- 2 Supporting Elective 3 hrs
- 2 Check restrictions

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/arterd

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

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
1. UCF General Education Program (GEP) (36 hrs)

- Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

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

1 A grade of "C-" (1.75) or better is required.

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

Select 1:
- 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2023C 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 1608 Introduction to Biology 3 hrs
- Prefer PSC 1609 Introduction to Chemistry 3 hrs

Select 1:
- 3 hrs
- Prefer ANT 2511 The Human Species or ARH 2050 History of Western Art II 3 hrs
- Prefer BSC 2011 General Zoology or GRA 2110V Introduction to Computer Art 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 (30 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 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
- ART 2754C Beginning Ceramics 3 hrs
- ART 2500C Beginning Painting 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- PGY 2401C Beginning Photography 3 hrs

4. Core Requirements: Advanced Level (30 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

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/ ARE 3940 Internship 3 hrs

Specialization Requirements 12 hrs

- Required ARH 2050 History of Western Art I 3 hrs
- Required EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- Required EDF 4467 Learning Theory and Assessment 3 hrs
- Required RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Required EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- Required TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

5. Restricted Electives (9 hrs)
- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

6. Capstone Requirements (12 hrs)
- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education rule 6A-3.066.

7. Foreign Language Requirements
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
UCF Degree Programs

A maximum of 45 hours of extension, correspondence, CLEP, Credit by 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
None

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study
The program of study will be affected by course offerings and availability. Please see the Art Education website at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall 15 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
ARH 2050 History of Western Art I 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ARH 2051 History of Western Art II 3 hrs
ENC 1102 Composition II 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs

Freshman Year - Summer 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

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 15 hrs
ART 2400C Beginning Printmaking 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Summer 6 hrs
GRA 2101C Introduction to Computer Art 3 hrs
PSY 2401C Beginning Photography 3 hrs

Junior Year - Fall 15 hrs
ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Junior Year - Spring 15 hrs
ARE 4352 Teaching Art in the Secondary School 3 hrs
ART 2500C Beginning Painting 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
ARE 4250 Art for Exceptionalities 3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)

Junior Year - Summer 6 hrs
ART 2754C Beginning Ceramics 3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)

Senior Year - Fall 12 hrs
ARE 4351 Teaching Art in the Elementary School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
ARE 3940 Internship 3 hrs
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)

Senior Year - Spring 12 hrs
ARE 4941 Internship 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Athletic Training (B.S.)

College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 118/119
http://www.cohpa.ucf.edu/athletictraining
Email: atinfo@ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training. By March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

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

Degree Requirements
- Students who are accepted into the Program in Athletic Training must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)
   A: Communication Foundations (9 hrs)
   Suggested SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   Required STA 2023 Statistical Methods I 3 hrs
   C: Mathematical Foundations (6 hrs)
   Required MAC 1114C College Trigonometry 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   - Suggested POS 2041 American National Government 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

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
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (62 hrs)
   Professional Phase
   - The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
     - ATR 4014C Introduction to Athletic Training 3 hrs
     - ATR 3102 Principles of Athletic Training 3 hrs
     - ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
     - ATR 3812L Practicum in Athletic Training I 4 hrs
     - HSC 3147 Introduction to Pharmacology 3 hrs
     - ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
     - PET 4315C Biomechanics of Sport 3 hrs
     - ATR 3822L Practicum in Athletic Training II 4 hrs
     - ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
     - ATR 3013C Clinical Skills for Athletic Training II 2 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2012-2013
UCF Degree Programs

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 Sports Medicine Field Application 3 hrs
ATR 4933 Athletic Training Seminar 1 hr

5. Restricted Electives
- None

6. Capstone Electives
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 45 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

- None

Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105 College Algebra 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Fall 14 hrs
PHY 2053C College Physics I 4 hrs
ZOO 3733C Human Anatomy 4 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs

Sophomore Year - Spring 16 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
PCB 3703C Human Physiology 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II or 3 hrs

Sophomore Year - Summer 10 hrs
ATR 4014C Introduction to Athletic Training 3 hrs
ATR 3102 Principles of Athletic Training 3 hrs

1 Foreign Language 4 hrs

Junior Year - Fall 12 hrs
ATR 3212L Practicum in Athletic Training I 4 hrs
ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs

1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.
### Biology (B.S.)

**College of Sciences**  
Department of Biology, BL, Room: 301  
[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)  
Email: biology@ucf.edu  
Frank Logiudice  
Phone: 407-823-2141

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- 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 Biotech Police Science
  - BSC 4937 Instructional Experiences in Undergraduate Biology

### Junior Year - Spring  
12 hrs

- PET 4315C Biomechanics of Sport  
  3 hrs  
- ATR 3822L Practicum in Athletic Training II  
  4 hrs  
- ATR 4212C Recognition and Evaluation of Athletic Injuries II  
  3 hrs  
- ATR 3013C Clinical Skills for Athletic Training II  
  2 hrs  
- 1 Free Elective  
  3 hrs  
1 As needed to meet 120 hrs of university exit requirements.

#### Junior Year - Summer  
8 hrs

- ATR 4313C Therapeutic Exercise in Athletic Training  
  4 hrs  
- ATR 4302C Therapeutic Modalities in Athletic Training  
  4 hrs

#### Senior Year - Fall  
13 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

#### Senior Year - Spring  
11 hrs

- ATR 4933 Athletic Training Seminar  
  1 hr  
- PET 4606 Applied Fitness in Sport  
  3 hrs  
- ATR 4842L Practicum in Athletic Training IV  
  4 hrs  
- ATR 4103 Sports Medicine Field Application  
  3 hrs  
- 1 Free Elective  
  3 hrs  
1 As needed to meet 120 hrs of departmental exit requirements.

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $7.50 per term  
- Full-Time Student: $15.00 per term

### UCF Degree Programs

- 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 courses and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I  
    4 hrs  
  - BSC 2011C Biology II  
    4 hrs  
  - CHM 2045C Chemistry Fundamentals I  
    4 hrs  
  - CHM 2046 Chemistry Fundamentals II  
    3 hrs  
  - CHM 2046L Chemistry Fundamentals Laboratory  
    1 hr  
  - CHM 2210 Organic Chemistry I  
    3 hrs  
  - CHM 2211 Organic Chemistry II  
    3 hrs  
  - CHM 2211L Organic Laboratory Techniques I  
    2 hrs  
  - PHY 2053C College Physics I  
    4 hrs  
  - PHY 2054C College Physics II  
    4 hrs

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

   - Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I  
     3 hrs  
   - Required ENC 1102 Composition II  
     3 hrs  
   - Prefer SPC 1603 Fundamentals of Technical Presentations  
     3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Mathematics:  
     3 hrs


   **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 at [http://chemplacement.sdes.ucf.edu](http://chemplacement.sdes.ucf.edu)

   - For students with a strong chemistry background and a high Chemistry Placement score:
     - Required CHM 2045C Chemistry Fundamentals I  
       4 hrs
     - or - Students with little chemistry background should take this two semester equivalent instead.
     - Required CHM 2040 Chemistry Fundamentals IA and  
       3 hrs
     - Required CHM 2041 Chemistry Fundamentals IB  
       3 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)

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

   - See Transfer Notes for possible substitutes for the following courses.

   **Biology:**
   - BSC 2010C Biology I  
     GEP  
   - BSC 2011C Biology II  
     4 hrs

   **Chemistry:**
   - CHM 2045C Chemistry Fundamentals I  
     4 hrs
   - or - both of the following:
     - CHM 2040 Chemistry Fundamentals IA and  
       3 hrs
     - CHM 2041 Chemistry Fundamentals IB  
       3 hrs

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

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**UNIVERSITY OF CENTRAL FLORIDA**

**137 Undergraduate Catalog 2012-2013**
### 1. Core Requirements: Basic Level (8 hrs)

- Biology: Required, satisfies the CPP
- Chemistry: Complete one entire sequence
- Math: Complete one entire sequence

#### Chemistry:
- CHM 2045C Chemistry Fundamentals I
- CHM 2041 Chemistry Fundamentals IA
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory

#### Math:
- MAC 2233 Concepts of Calculus
- MAC 2253 Applied Calculus
- MAC 2311C Calculus with Analytic Geometry I

#### Biology:
- PCB 3023 Molecular Cell Biology
- PCB 3044 Principles of Ecology
- PCB 3063 Genetics
- PCB 4883 Evolutionary Biology

### 2. Core Requirements: Advanced Level (13 hrs)

- Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- Chemistry: Complete one entire sequence
- Math: Complete one entire sequence

#### Chemistry:
- CHM 3120L Analytical Chemistry Laboratory
- CHM 3120 Analytical Chemistry
- CHM 2211L Organic Laboratory Techniques I

#### Math:
- MAC 2311C Calculus with Analytic Geometry I

### 3. Core Requirements: Basic Level (8 hrs)

- Biology: Required, satisfies the CPP
- Chemistry: Complete one entire sequence
- Physics: Complete one entire sequence

#### Chemistry:
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory

#### Biology:
- PCB 3023 Molecular Cell Biology
- PCB 3044 Principles of Ecology
- PCB 3063 Genetics

### 4. Core Requirements: Advanced Level (13 hrs)

- Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- Chemistry: Complete one entire sequence
- Math: Complete one entire sequence

#### Chemistry:
- CHM 3120L Analytical Chemistry Laboratory
- CHM 3120 Analytical Chemistry

### 5. Restricted Electives (22 hrs)

- Courses must be selected from the groupings listed below.
- Students 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.

- Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- Chemistry: Complete one entire sequence
- Math: Complete one entire sequence

#### Chemistry:
- CHM 4053 Biochemistry I
- CHM 4054 Biochemistry II

#### Math:
- MAC 2311C Calculus with Analytic Geometry I

#### Biology:
- PCB 4683 Evolutionary Biology Lab
- PCB 4678 Evolution and Medicine

#### Restricted Electives:
- PCB 4723 Animal Physiology
- PCB 5935 Population Genetics
- ZOO 3713C Comparative Vertebrate Anatomy

### Form/Function

- Complete a minimum of one lecture course
- Complete a minimum of one lecture course

#### Biology:
- ZOO 4513 Animal Behavior
- PAZ 4234 Zoo and Aquarium Management
- PCB 5485 Models in Ecology

#### Chemistry:
- BCH 4053 Biochemistry I
- BCH 4054 Biochemistry II

#### Math:
- MAC 3233 Concepts of Calculus
- MAC 2311C Calculus with Analytic Geometry I

### Environmental

- Complete a minimum of one lecture course

#### Biology:
- BSC 4312C Advanced Marine Biology
- BSC 4300 Invasion Biology

#### Chemistry:
- BCH 4053 Biochemistry I
- BCH 4054 Biochemistry II

#### Math:
- MAC 2311C Calculus with Analytic Geometry I
Systematic 3 hrs
Complete a minimum of one lecture course 3 hrs
from this group.
1 BOT 4434C General Mycology or 4 hrs
2 BOT 4713C Plant Taxonomy or 5 hrs
1 ENY 4004C General Entomology or 4 hrs
2 ENY 5006C Entomology or 4 hrs
MCB 3020C General Microbiology or 5 hrs
1 ZOO 4480 Mammalogy or 4 hrs
2 ZOO 4420C Vertebrate Evolution & Ecology or 4 hrs
2 ZOO 4480 Mammalogy or 4 hrs
2 ZOO 4434C General Mycology or 4 hrs
2 ZOO 5463C Physiology of Metazoan
1 ZOO 5463C Physiology of Metazoan
1 ZOO 5475L Field Ornithology 3 hrs

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

Certificates

Related Programs
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X041C. Although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
  - 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.

Advising Notes
- Prior to enrolling in Math, take Math Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/

Undergraduate Catalog 2012-2013
**UCF Degree Programs**

**Junior Year - Fall**
- PHY 2053C College Physics I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- Restricted Elective 5 hrs
- Elective 3 hrs

**Junior Year - Spring**
- PHY 2054C College Physics II 4 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- Elective 4 hrs

**Senior Year - Fall**
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective 2 hrs

**Senior Year - Spring**
- 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.cos.ucf.edu/biol/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

**Biology - Preprofessional Concentration (B.S.)**

**College of Sciences**

**Department of Biology, Biology, Room: 301**
http://www.cos.ucf.edu/biology

**Email:** biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs

- Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - 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 I 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. **UCF General Education Program (GEP)** (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
**C: Mathematical Foundations** (7 hrs)
**Mathematics:** 4 hrs

- Note: Prior to enrolling in Math, take Math Placement Test at http://www.cos.ucf.edu/biol/academic_learning_compacts.htm

- 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 for this Biology course to be used as a prerequisite.
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam:
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/
  - For students with a strong chemistry background and a high Chemistry Placement score
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
  - Required CHM 2040 Chemistry Fundamentals I A and B 3 hrs
  - Required CHM 2041 Chemistry Fundamentals I B 3 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

**Biology:** 4 hrs
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.
  - Required BSC 2010C Biology I and II
  - Required Biology I and II 4 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cos.ucf.edu/biol/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

**Biology - Preprofessional Concentration (B.S.)**

**College of Sciences**

**Department of Biology, Biology, Room: 301**
http://www.cos.ucf.edu/biology

**Email:** biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs

- Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - 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 I 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. **UCF General Education Program (GEP)** (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
**C: Mathematical Foundations** (7 hrs)
**Mathematics:** 4 hrs
- Note: Prior to enrolling in Math, take Math Placement Test at http://www.cos.ucf.edu/biology

- 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 for this Biology course to be used as a prerequisite.
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam:
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/
  - For students with a strong chemistry background and a high Chemistry Placement score
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
  - Required CHM 2040 Chemistry Fundamentals I A and B 3 hrs
  - Required CHM 2041 Chemistry Fundamentals I B 3 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

**Biology:** 4 hrs
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.
  - Required BSC 2010C Biology I and II
  - Required Biology I and II 4 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cos.ucf.edu/biol/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term
**Chemistry:**
- Take Placement test before starting chemistry; http://chemplacement.sdes.ucf.edu
- CHM 2048C Chemistry Fundamentals I GEP
- or:
  - CHM 2040 Chemistry Fundamentals IA GEP
  - CHM 2041 Chemistry Fundamentals IB GEP
- and:
  - CHM 2046 Chemistry Fundamentals II and 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

**Math:**
- MAC 2311C Calculus with Analytic Geometry I and GEP
- STA 2023 Statistical Methods I GEP

**Physics:**
- 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 proceeding
- Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

**Basic Core: Required, satisfies the CPP**

**Biology:**
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- BSC 2010C Biology I and GEP/CPP
- BSC 2011C Biology II GEP/CPP

**Chemistry:**
- CHM 2045C Chemistry Fundamentals I GEP/CPP
- or:
  - CHM 2040 Chemistry Fundamentals IA and GEP/CPP
  - CHM 2041 Chemistry Fundamentals IB GEP/CPP
- and:
  - CHM 2046 Chemistry Fundamentals II and GEP/CPP
  - CHM 2046L Chemistry Fundamentals Laboratory GEP/CPP

**Math:**
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- STA 2023 Statistical Methods I GEP/CPP

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

**Basic Core: Additional Requirements** 8 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**4. Core Requirements: Advanced Level** (13 hrs)
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 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.

**Form/Function**

**Complete a minimum of one lecture course 3 hrs from this group.**
- Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

**Biology:**
- PCB 3703C Human Physiology or 4 hrs
- PCB 4514 Genetics II or 3 hrs
- PCB 4678 Evolution and Medicine or 3 hrs
- PCB 4723 Animal Physiology or 4 hrs
- ZOO 4753C Human Histology 4 hrs

**Chemistry:**
- BCH 4053 Biochemistry I or 3 hrs
- BCH 4054 Biochemistry II or 3 hrs
- PCB 3063L Genetics Laboratory or 1 hr
- PCB 3233 Immunology or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- PCB 4514 Genetics II or 3 hrs
- PCB 4678 Evolution and Medicine or 3 hrs
- PCB 4723 Animal Physiology or 4 hrs
- ZOO 4753C Human Histology 4 hrs

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

**Environmental**

**Complete a minimum of one lecture course 3 hrs from this group.**
- BOT 3802 Ethnobotany or 3 hrs
- BOT 4850 Medicinal Botany 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.

**Systematic**

**Complete a minimum of one lecture course 3 hrs from this group.**
- ANT 3550C Primatology or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- ZOO 4753C Human Histology 4 hrs
- ZOO 4753C Human Histology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.

**6. Capstone Requirements**

**None**

**7. Foreign Language Requirements**

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

**Graduation**
- Spanish is highly recommended.

**8. Electives**
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

**9. Additional Requirements**

**None**

**10. Required Minors**

**None**

**11. Departmental Exit Requirements**
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- 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.
UCF Degree Programs

- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where the first semester of a two semester sequence has already been taken at the community college.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:
  - MCB 3020C: General Microbiology
  - PCB 4924: Molecular Biology II

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
  - CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 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 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 3063: 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
- 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.oears.ucf.edu/alc/academic_learning_comacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 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

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
■ Grades below “C-” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
■ Students should consult with a departmental advisor.

1. UCF General Education Program (GEP) (38 hrs)
■ Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations
Required
ENC 1101 Composition I 3 hrs
Enc 1102 Composition II 3 hrs
Preferred
SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
Select 1:
MAC 2311C Calculus with Analytic Geometry I or 4 hrs
Suggested
MAC 2253 Applied Calculus 3 hrs
Select 1:
STA 2023 Statistical Methods I or 3 hrs
Suggested
CGS 1060C Introduction to Computer Science 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required
BSC 2010C Biology I 4 hrs
Required
CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
CHM 2311C Calculus with Analytic Geometry I or 4 hrs
CHM 2312C Calculus with Analytic Geometry II or 4 hrs
CHM 2313C Calculus with Analytic Geometry III or 4 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II 4 hrs

or

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

■ See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (8 hrs)

Math, Statistics, Computer
Select 1:
MAC 2311C Calculus with Analytic Geometry I or 4 hrs
MAC 2253 Applied Calculus 3 hrs
Select 1:
STA 2023 Statistical Methods I or 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences
MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (7 courses minimum)
■ Seven courses from the list below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

■ BCH 4054 Biochemistry II 3 hrs
■ BOH 4103L Biochemical Methods 2 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 4312 Molecular Genetics 3 hrs
■ MCB 4503C Virology 3 hrs
■ MCB 4503C Environmental Microbiology 3 hrs
■ MCB 4721C Methods in Biotechnology 4 hrs
■ MCB 5225 Molecular Biology of Disease 3 hrs
■ MCB 5654 Applied Microbiology 3 hrs
■ MCB 5932 Current Topics in Molecular Biology 3 hrs
■ MLS 3200C Techniques in Clinical Microscopy 3 hrs
■ MLS 3305 Hematology 3 hrs
■ MLS 4334 Hemostasis 3 hrs
■ MLS 4403C Clinical Parasitology 3 hrs
■ MLS 4505C Immunodiagnostics 3 hrs
■ MLS 4562 Advanced Clinical Chemistry I 3 hrs
■ MLS 4630 Advanced Clinical Chemistry II 3 hrs
■ PCB 3063 Genetics 3 hrs
■ PCB 4505 Human Physiology 4 hrs
■ PCB 4505C Molecular and Cellular Pharmacology 3 hrs
■ PCB 4714 Foundation of Bio-Imaging Science 3 hrs
■ PCB 4521 Tissue Engineering 3 hrs
■ PCB 4514C Genetica II 3 hrs
■ PCB 4529 Experimental Molecular Biology 3 hrs
■ PCB 4580 Endocrinology 3 hrs
■ PCB 5238 Molecular Immunology 3 hrs
■ PCB 5256 Cancer Biology 3 hrs
■ PCB 5275 Signal Transduction Mechanics 3 hrs
■ ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
■ ZOO 3701C Techniques 4 hrs
■ ZOO 3733C Human Anatomy 4 hrs
■ ZOO 4603C Human Clinical Embryology and Congenital Malformation 3 hrs
■ ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
■ ZOO 4753C Human Histology 4 hrs
UCF Degree Programs

ZOO 5745C Essentials of Neuroanatomy 4 hrs
MCB 3203L Pathogenic Microbiology Lab 1 hr
MCB 4970H Honors Undergraduate Thesis II 3 hrs
BOT 4434C General Mycology 4 hrs
1 MCB 3202 Principles of Infectious Disease 3 hrs
PCB 4234 Cancer Biology 3 hrs
ZOO 4747C Clinical Neuroscience 4 hrs
PCB 4264 Stem Cell Biology 3 hrs

1 Recommended for Preprofessional students

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. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - PCB 3403C Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses taken at community colleges or state colleges do not substitute for upper level courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology I 4 hrs
- may be substituted with: BSC 3403C
- may be substituted with: CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2045C Chemistry Fundamentals I 4 hrs

Plan of Study
Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs
- Select 1: 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 1114C College Trigonometry 3 hrs
- BSC 2010C Biology I 4 hrs
- 1 SLS 2311C Overview of Select Medical Careers 2 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs
- Select 1: 3 hrs
- EEUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Traditions I 3 hrs

Sophomore Year - Spring
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CUG 1060C Introduction to Computer Science 3 hrs
- Select 1: 3 hrs
- EEUH 2001 Western Civilization II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Traditions II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
- PCB 3552 Molecular Biology I 3 hrs
- 1 BSC 2011C Biology II 4 hrs
- Select 1: 4 hrs
- PHY 2053C College Physics I or 4 hrs
- 2 PHY 2049C Physics for Engineers & Scientists I 4 hrs
- Select 1: 3 hrs
- ECO 2023 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
Junior Year - Spring 16 hrs
PCB 4524  Molecular Biology II  3 hrs
PCB 4280  Molecular Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
SPC 1603  Fundamentals of Technical Presentations  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
Restricted Elective  2 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall 16 hrs
BCH 4053  Biochemistry I  3 hrs
Restricted Elective  4 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Cultural/Historical  3 hrs

Senior Year - Spring 15 hrs
MCB 4414  Microbial Metabolism  3 hrs
Restricted Elective  4 hrs
Restricted Elective  4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Biomedical Sciences - Preprofessional Concentration (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bcbsinfo@ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Grades below “C-” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in GEP; for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
Required ENC 1101  Composition I  3 hrs
Required ENC 1102  Composition II  3 hrs
Prefer SPC 1603  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required CGS 1060C  Introduction to Computer Science or
Required STA 2023  Statistical Methods I  3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
Required BSC 2010C  Biology I  4 hrs
Required CHM 2045C  Chemistry Fundamentals I  4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C  Biology I  6 hrs
1 BSC 2011C  Biology II  4 hrs
1 CHM  Chemistry Fundamentals I  4 hrs
2045C

CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
MAC 2311C  Calculus with Analytic Geometry I  4 hrs

Select one of the following sequences of courses:
PHY 2053C  College Physics I and  4 hrs
PHY 2054C  College Physics II  4 hrs
or
PHY 2048C  Physics for Engineers & Scientists I and  4 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
SLS 2311C  Overview of Select Medical Careers  2 hrs

Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311C  Calculus with Analytic Geometry I or
MAC 2253  Applied Calculus  4 hrs

Select 1: 3 hrs
STA 2023  Statistical Methods I or
CGS 1060C  Introduction to Computer Science  3 hrs

Chemistry
Take all of the following: 8 hrs
CHM 2210  Organic Chemistry I and  3 hrs
CHM 2211  Organic Chemistry II and  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
MCB 3020C  General Microbiology  5 hrs
MCB 4414  Microbial Metabolism  3 hrs
PCB 4280  Molecular Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 3522  Molecular Biology I  3 hrs
PCB 4524  Molecular Biology II  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs

Chemistry
BCH 4053  Biochemistry I  3 hrs

5. Restricted Electives
7 courses minimum
- Seven courses from below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

MCB 3203  Biochemistry II  3 hrs
MCB 3204  Pathogenic Microbiology  3 hrs
MCB 4404  Bacterial Genetics and Physiology  3 hrs
### UCF Degree Programs

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<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
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<td>MCB 4312</td>
<td>Molecular Biotechnology</td>
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<td>MCB 4503C</td>
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<td>MCB 5225</td>
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6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

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
- 45 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

### Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

### Certificates
- None

### Related Minors
- Biology
- Chemistry

### Advising Notes
- None

### Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students
  - Lower division courses taken at community colleges or state colleges do not substitute for upper level courses.

### Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2040C
- CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2041C

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CMH 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105 College Algebra 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CMH 2046 Chemistry Fundamentals II 3 hrs
- CMH 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 3 hrs
- MAC 1114C College Trigonometry 3 hrs

#### Sophomore Year - Fall
- CMH 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 3 hrs

Select 1:
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1892-1877 or 3 hrs
- WOH 2102 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

#### Sophomore Year - Spring
- CMH 2211 Organic Chemistry II 3 hrs
- CMH 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
### Biotechnology (B.S.)

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

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

**Email: bcbsinfo@ucf.edu**

**Dr. P.E Kolattukudy, Chair**

Dorilyn Hitchcock, Program Director, Dorilyn.Hitchcock@ucf.edu, 407-823-5932

Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

**Admission Requirements**

- None

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**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-“ (1.75) in life science courses will not be accepted

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

   **A: Communication Foundations**
   - Required: ENC 1101 Composition I
   - Required: ENC 1102 Composition II
   - Prefer: SPC 1603 Fundamentals of Technical Presentations

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

   **C: Mathematical Foundations**
   - Required: STA 2023 Statistical Methods I

   **Select 1:**
   - Required: MAC 2311C Calculus with Analytic Geometry I or
   - Required: MAC 2233 Calculus with Analytic Geometry II

   **D: Social Foundations**
   - **(6 hrs)**

   **E: Science Foundations**
   - Required: CHM 2045C Chemistry Fundamentals I
   - Required: BSC 2010C Biology I

2. **Common Program Prerequisites (CPP)**
   - **(21 hrs)**

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

   - **BSC 2010C**
     - Biology I
     - GEP
   - **BSC 2011C**
     - Biology II
     - GEP
   - **CHM 2045C**
     - Chemistry Fundamentals I
     - GEP
   - **CHM 2210**
     - Organic Chemistry I
     - GEP
   - **CHM 2211**
     - Organic Chemistry II
     - GEP
   - **STA 2023**
     - Statistical Methods I
   - **MAC 2311C**
     - Calculus with Analytic Geometry I
     - GEP
   - **PHY 2053C**
     - College Physics I
   - **PHY 2054C**
     - College Physics II
   - **BCH 4053**
     - Biochemistry I
   - **BCH 4054**
     - Biochemistry II
   - **MCB 4312**
     - Molecular Biotechnology
   - **PCB 4280**
     - Experimental Molecular Biology
   - **PCB 4174**
     - Foundation of Bio-Imaging Science
   - **MCB 4721C**
     - Methods in Biotechnology
   - **MCB 4720**
     - Industrial Perspectives Seminar
   - **MCB 4710**
     - Molecular Biotechnology
   - **CHM 2046**
     - Chemistry Fundamentals II
   - **CHM 2211**
     - Organic Laboratory Techniques I

3. **Core Requirements: Basic Level**
   - **None**

4. **Core Requirements: Advanced Level**
   - **(52 hrs)**

   **Life Sciences**
   - **MCB 5020C**
     - General Microbiology
   - **MCB 4414**
     - Microbial Metabolism
   - **MCB 4280**
     - Molecular Immunology
   - **PCB 3233L**
     - Immunology Laboratory
   - **PCB 3522**
     - Molecular Biology I
   - **PCB 4524**
     - Molecular Biology II
   - **BSC 3403C**
     - Quantitative Biological Methods
   - **TPC 4524**
     - Cellular and Molecular Biology
   - **CHM 2210**
     - Organic Chemistry I
   - **CHM 2211**
     - Organic Chemistry II
   - **STA 2023**
     - Statistical Methods I
   - **MAC 2311C**
     - Calculus with Analytic Geometry I
   - **PHY 2053C**
     - College Physics I
   - **PHY 2054C**
     - College Physics II

   **Chemistry**
   - **BCH 4053**
     - Biochemistry I
   - **CHM 2046**
     - Chemistry Fundamentals II
   - **CHM 2211**
     - Organic Laboratory Techniques I

   **Physics**
   - **PHY 2053C**
     - College Physics I
   - **PHY 2054C**
     - College Physics II
   - **PHY 2048C**
     - Physics for Engineers & Scientists I
   - **PHY 2049C**
     - Physics for Engineers & Scientists II
UCF Degree Programs

**Math**

- **Select 1:**
  - MAC 2311C Calculus with Analytic Geometry I or GEP 3 hrs
  - MAC 2233 Applied Calculus GEP

**5. Restricted Electives (6 hrs)**

- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department.
- Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912. Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 4404 Bacterial Genetics and Physiology 3 hrs
- MCB 4207 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5305 Molecular Virology 3 hrs
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 3 hrs
- PCB 4521 Tissue Engineering 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunobiology 3 hrs
- PCB 5275 Signal Transduction Mechanics 3 hrs
- PCB 5236 Cancer Biology 3 hrs
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 3203L Pathogenic Microbiology Lab 1 hr

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

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

- Graduation
  - None

**8. Electives**

- Variable

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
- A minimum of 20 hours must be taken at UCF in the department of the major
- Students will be required to pass a comprehensive test during their last semester

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

**Total Semester Hours Required**

- 120

**Honors in Major**

- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403H Quantitative Biological Methods - Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H Honors Undergraduate Thesis II 3 hrs

**Related Programs**

- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

**Certificates**

- None

**Related Minors**

- Biology
- Chemistry
- Biomedical Sciences

**Advising Notes**

- None

**Transfer Notes**

- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I

**Acceptable Substitutes for Transfer Courses**

- Substitutes for Common Program Prerequisites
  - MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STAX014 or STA X024 or STA X321

**Acceptable Substitutes**

- CHM 2045C may be substituted with CHM 2040 and CHM 2041
- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041

**Plan of Study**

- Freshman Year - Fall
  - ENC 1101 Composition I 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

- Select 1:
  - ENC 1102 Composition II 3 hrs
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology 3 hrs

- Freshman Year - Spring
  - ENC 1102 Composition II 3 hrs
  - SPC 1603 Fundamentals of Technical Presentations 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - BSC 2010C Biology I 4 hrs

- Sophomore Year - Fall
  - CHM 2210 Organic Chemistry I 3 hrs
  - MCB 3202C General Microbiology 5 hrs
Select 1:  4 hrs  
MAC 2311C  Calculus with Analytic Geometry I or  4 hrs  
MAC 2233  Applied Calculus  3 hrs

Select 1:  3 hrs  
EUH 2000  Western Civilization I or  3 hrs  
AMH 2010  U.S. History: 1492-1877 or  3 hrs  
WOH 2012  World Civilization I or  3 hrs  
HUM 2210  Humanistic Tradition I  3 hrs

Sophomore Year - Spring  15 hrs  
CHM 2211  Organic Chemistry II  3 hrs  
CHM 2211L  Organic Laboratory Techniques I  2 hrs  
BSC 3403C  Quantitative Biological Methods  4 hrs

Select 1:  3 hrs  
STA 2023  Statistical Methods I or  3 hrs  
CGS 1060C  Introduction to Computer Science  3 hrs

Select 1:  3 hrs  
EUH 2001  Western Civilization II or  3 hrs  
AMH 2020  U.S. History: 1877-Present or  3 hrs  
HUM 2230  Humanistic Tradition II or  3 hrs  
WOH 2022  World Civilization II  3 hrs

Junior Year - Fall  13 hrs  
PCB 3522  Molecular Biology I  3 hrs  
MCB 4720  Industrial Perspectives Seminar  3 hrs

Select 1:  3 hrs  
ECO 2013  Principles of Macroeconomics or  3 hrs  
PSC 2041  American National Government  3 hrs

Select 1:  4 hrs  
PHY 2053C  College Physics I or  4 hrs  
1 PHYS 2048C  Physics for Engineers & Scientists I  4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring  15 hrs  
PCB 4524  Molecular Biology II  3 hrs  
PCB 4280  Molecular Immunology  3 hrs  
PCB 3233L  Immunology Laboratory  1 hr  
BSC 2011C  Biology II  4 hrs

Select 1:  4 hrs  
PHY 2054C  College Physics II or  4 hrs  
1 PHYS 2049C  Physics for Engineers and Scientists II  4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall  14 hrs  
BCH 4053  Biochemistry I  3 hrs  
MCB 4721C  Methods in Biotechnology  4 hrs  
MCB 4312  Molecular Biotechnology  3 hrs  
Restricted Elective  3 hrs

Senior Year - Spring  13 hrs  
PCB 4529  Experimental Molecular Biology  3 hrs  
PCB 4174  Foundation of Bio-Imaging Science  3 hrs  
MCB 4414  Microbial Metabolism  3 hrs  
Restricted Elective  3 hrs

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall  11 hrs  
PCB 4522  Molecular Biology I  3 hrs  
BSC 3403C  Quantitative Biological Methods  4 hrs  
BCH 4053  Biochemistry I  3 hrs  
Restricted Elective  3 hrs

Junior Year - Spring  8 hrs  
PCB 3522  Molecular Biology I  3 hrs  
BSC 3403C  Quantitative Biological Methods  4 hrs  
BCH 4053  Biochemistry I  3 hrs  
Restricted Elective  3 hrs

Student seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

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

Department of Management,
Business Administration II, Room: 101

Only offered at Regional Campuses.
http://www.bus.ucf.edu

Email: cba@bus.ucf.edu
Selen Forrest (Clermont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
Phone: 407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor. Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $76 per term

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

Department of Management,
Business Administration II, Room: 101

Only offered at Regional Campuses.
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Admission Requirements
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.
UCF Degree Programs

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 STA 2023 Statistical Methods I
   Prefer MAC 1105C College Algebra

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Suggested ECO 2013 Principles of Macroeconomics
   or ECO 2023 Principles of Microeconomics

   Select 1: 3 hrs
   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.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   A: Administration:
   ACG 2011 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   GGS 2100C Computer Fundamentals for Business
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics

   Select one of the following sequences of courses:
   Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
   - ECO 3401 Quantitative Business Tools I
   - or MAC 2233 Concepts of Calculus and
   - STA 2023 Statistical Methods I

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (32 hrs)
   First of subsequent semester in the College of Business Administration:
   BUL 3130 Legal and Ethical Environment of Business
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance
   1 GEB 3031 Cornerstone: Professional Skills for Business
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business
   GEB 3375 Introduction to International Business
   MAN 3025 Management of Organizations
   MAR 3023 Marketing
   MAR 3203 Supply Chain and Operations Management

5. Restricted Electives
   None

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

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent
   proficiency exam) prior to graduation.

   Graduation
   Proficiency equivalent to one year of college instruction
   in a foreign language taught by the Department of Modern
   Languages and Literatures or Judaic Studies. Standardized
   examinations for foreign languages may be used to meet
   the requirement.

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
   Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
   None

12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed
   in residency at UCF
   A maximum of 45 hours of extension, correspondence,
   CLEP, Credit by Exam, and Armed Forces 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
   Courses taken at community colleges do not substitute
   for upper division courses.
   Courses transferred must be formally evaluated for
   equivalency credit. The student must provide a course
   syllabus and any other supporting information with his/her
   petition for this evaluation.
Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Acceptable Substitutes for Transfer Courses

AGC 2021 Principles of Financial Accounting may be substituted with AGC X001 and X011.

Plan of Study

None

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $15 per term

Full-Time Student: $30 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry, Physical Sciences,

Room: 255

http://chemistry.cos.ucf.edu/

Email: pedro.patino@ucf.edu

Dr. Pedro Patino

Phone: 407-823-2246

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Co-op or internship credit cannot be used in the major. Students should consult with a departmental advisor.

Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.

Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I 4 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

CHM 2210 Organic Chemistry I 3 hrs

CHM 2211 Organic Chemistry II 3 hrs

CHM 2211L Organic Laboratory Techniques I 2 hrs

MAC 2311C Calculus with Analytic Geometry I 4 hrs

MAC 2312 Calculus with Analytic Geometry II 4 hrs

PHY 2048C Physics for Engineers & Scientists I 4 hrs

PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)

Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs

Required ENC 1102 Composition II 3 hrs

Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Prefer STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)

Required PHY 2049C Physics for Engineers & Scientists I 4 hrs

D: Social Foundations (6 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)

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

Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu

Select either:

CHM 2045C Chemistry Fundamentals I 4 hrs

- or - 6 hrs

CHM 2040 Chemistry Fundamentals IA and CPP 3 hrs

CHM 2041 Chemistry Fundamentals IB 3 hrs

- and complete all the following

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

CHM 2210 Organic Chemistry I 3 hrs

CHM 2211 Organic Chemistry II 3 hrs

CHM 2211L Organic Laboratory Techniques I 2 hrs

MAC 2311C Calculus with Analytic Geometry I GEP

MAC 2312 Calculus with Analytic Geometry II 4 hrs

PHY 2048C Physics for Engineers & Scientists I GEP

PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (4 hrs)

All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:

CHM 2045C Chemistry Fundamentals I CPP

- or -

CHM 2040 Chemistry Fundamentals IA and CPP

CHM 2041 Chemistry Fundamentals IB CPP

- and -

CHM 2046 Chemistry Fundamentals II and CPP

CHM 2046L Chemistry Fundamentals Laboratory and CPP

CHM 2210 Organic Chemistry I and CPP

CHM 2211 Organic Chemistry II and CPP

CHM 2211L Organic Laboratory Techniques I and CPP
## UCF Degree Programs

### Core: Additional requirements

<table>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
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- and either:

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
<td></td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
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### 4. Core Requirements: Advanced Level (34 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120 Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 3215L Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3410 Physical Chemistry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411 Physical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3411L Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610 Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610L Inorganic Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130 Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4130L Advanced Analytical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912 Directed Independent Research</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 4930 Chemistry Seminar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4931 Chemistry Seminar II</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (6 hrs)

Select from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054 Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4220 Organic Chemistry III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5225 Advanced Organic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5235 Applied Molecular Spectroscopy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5450 Polymer Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5451C Techniques in Polymer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5580 Advanced Physical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615 Environmental Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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

**Total Semester Hours Required**

- 120

**Honors in Major**

- None

### Related Programs

- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

### Certificates

- None

### Related Minors

- Chemistry
- Biomedical Sciences
- Biology
- Physics

### Advising Notes

- Students must satisfy each course’s prerequisites before enrolling in the class.

### Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM X040C plus CHM X041C.
  - Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
  - Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test at [URL](http://chemplacement.sdes.ucf.edu/)
- Before registering for Math, you must take Math Placement Test at [URL](http://utc.sdes.ucf.edu/)
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
Freshman Year - Fall  
- CHM 2045C Chemistry Fundamentals I 4 hrs  
- MAC 2311C Calculus with Analytic Geometry I 4 hrs  
- BSC 2010C Biology I 4 hrs  
- ENC 1101 Composition I 3 hrs  

Freshman Year - Spring  
- CHM 2046 Chemistry Fundamentals II 3 hrs  
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr  
Lab may be taken in a later term if seats are not available.  
- MAC 2312 Calculus with Analytic Geometry II 4 hrs  
- ENC 1102 Composition II 3 hrs  
- GEP 3 hrs  

Sophomore Year - Fall  
- CHM 2210 Organic Chemistry I 3 hrs  
- PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- MAC 2313 Calculus with Analytic Geometry III 4 hrs  

Sophomore Year - Spring  
- CHM 2211 Organic Chemistry II 3 hrs  
- CHM 2211L Organic Laboratory Techniques I 2 hrs  
Lab may be taken in a later term if seats are not available.  
- PHY 2049C Physics for Engineers and Scientists II 4 hrs  
- GEP 3 hrs  
- Free Elective 2 hrs  

Junior Year - Fall  
- BCH 4053 Biochemistry I 3 hrs  
- CHM 3210 Analytical Chemistry 3 hrs  
- CHM 3210L Analytical Chemistry Laboratory 1 hr  
- CHM 3210L Organic Laboratory Techniques II 2 hrs  
- CHM 3410 Physical Chemistry I 4 hrs  
- GEP 3 hrs  

Junior Year - Spring  
- CHM 3411 Physical Chemistry II 3 hrs  
- CHM 3411L Physical Chemistry Laboratory 2 hrs  
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs  
- CHM 4610 Inorganic Chemistry 3 hrs  
- CHM 4130L Advanced Analytical Chemistry Laboratory Restricted Elective 3 hrs  

Senior Year - Fall  
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs  
- CHM 4930 Chemistry Seminar I 1 hr  
- CHM 4912 Directed Independent Research 2 hrs  
- Restricted Elective 3 hrs  
- GEP 3 hrs  
- Free Elective 2 hrs  
- Free Elective 3 hrs  

Senior Year - Spring  
- CHM 4912 Directed Independent Research 2 hrs  
- CHM 4931 Chemistry Seminar II 1 hr  
- GEP 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/aic/academic_learning_compacts.htm  

Equipment Fees  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term  

Chemistry - Biochemistry Track (B.S.)  
College of Sciences  
Department of Chemistry,  
Physical Sciences, Room: 255  
http://www.cos.ucf.edu/chemistry  
Email: pedro.patino@ucf.edu  
Dr. Pedro Patino  
Phone: 407-823-2246  

Admission Requirements  
- None  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Co-op or internship credit cannot be used in the major.  
- Students should consult with a departmental advisor before registering.  

Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.  
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.  
- All prerequisites of courses taught within the College of Sciences will be enforced.  
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.  
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.  

1. UCF General Education Program (GEP) (39 hrs)  
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.  

A: Communication Foundations (9 hrs)  
- Required ENC 1101 Composition I 3 hrs  
- Required ENC 1102 Composition II 3 hrs  
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs  

B: Cultural & Historical Foundations (9 hrs)  
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs  
- Prefer STA 2023 Statistical Methods I 3 hrs  

C: Mathematical Foundations (7 hrs)  
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- Required BSC 2010C Biology I 4 hrs  

D: Social Foundations (6 hrs)  

E: Science Foundations (8 hrs)  
- Required PHY 2048C Physics for Engineers & Scientists I 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  

Full-Time Student: $90 per term  
Part-Time Student: $45 per term
UCF Degree Programs

- 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  
  CPP
- or
  - CHM 2040 Chemistry Fundamentals IA and  
  CPP
  - CHM 2041 Chemistry Fundamentals IB and  
  CPP
- and
  - CHM 2046 Chemistry Fundamentals II and  
  CPP
  - CHM 2046L Chemistry Fundamentals Laboratory and  
  CPP
  - CHM 2210 Organic Chemistry I and  
  CPP
  - CHM 2211 Organic Chemistry II and  
  CPP
  - CHM 2211L Organic Laboratory Techniques I and  
  CPP
  - MAC 2311C Calculus with Analytic Geometry I and  
  GEP
  - MAC 2312 Calculus with Analytic Geometry II and  
  CPP
  - PHY 2048C Physics for Engineers & Scientists I and  
  GEP
  - PHY 2049C Physics for Engineers and Scientists II and  
  GEP

Basic Core: Additional Requirements  
10 hrs
BSC 2010C Biology I and  
GEP
CHM 3120 Analytical Chemistry and  
3 hrs
CHM 3120L Organic Chemistry Laboratory and  
1 hr
CHM 3215L Organic Laboratory Techniques II and  
2 hrs
MAC 2313 Calculus with Analytic Geometry III and  
4 hrs
- and either
  - STA 2023 Statistical Methods I or  
  GEP
  - STA 1063C Basic Statistics Using Microsoft Excel  
  GEP

4. Core Requirements: Advanced Level  
(37 hrs)
BCH 4053 Biochemistry I  
3 hrs
BCH 4054 Biochemistry II  
3 hrs
BCH 4103L Biochemical Methods  
2 hrs
CHM 3410 Physical Chemistry I  
4 hrs
CHM 3411 Physical Chemistry II  
3 hrs
CHM 3411L Physical Chemistry Laboratory  
2 hrs
CHM 4610 Inorganic Chemistry  
3 hrs
CHM 4912 Directed Independent Research  
4 hrs
CHM 4930 Chemistry Seminar I  
1 hr
CHM 4931 Chemistry Seminar II  
1 hr
MCB 3020C General Microbiology  
5 hrs
PCB 3023 Molecular Cell Biology  
3 hrs
PCB 3063 Genetics  
3 hrs

5. Restricted Electives  
(10 hrs)
Select from the following:
CHM 4130 Advanced Analytical Laboratory Technique  
3 hrs
CHM 4906 Directed Independent Study  
1 hr
CHM 5225 Advanced Organic Chemistry  
3 hrs
PCB 3522 Molecular Biology I  
3 hrs
Additional upper level courses as approved by a departmental advisor

One of the following may be used as a Restricted Elective:
CHM 4220 Organic Chemistry III or  
3 hrs
CHM 5225 Advanced Organic Chemistry  
3 hrs

Additional physical, biological, and mathematical sciences courses.
- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research  
  - CHM 4930 Chemistry Seminar I  
  - CHM 4931 Chemistry Seminar II

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 48 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- 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>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>Lab may be taken in a later term if seats are not available.</td>
<td></td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Lab may be taken in a later term if seats are not available.</td>
<td></td>
</tr>
<tr>
<td>CHM 3120 Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3083 Genetics</td>
<td>3 hrs</td>
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</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3215L Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3023 Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054 Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3410 Physical Chemistry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 4912 Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4930 Chemistry Seminar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 4931 Chemistry Seminar II</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 3411 Physical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3411L Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610 Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4912 Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</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.oes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Civil Engineering (B.S.C.E.)

**College of Engineering and Computer Science**

**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

[http://www.cece.ucf.edu](http://www.cece.ucf.edu)

Carol Ann Pohl, carol.pohl@ucf.edu

Dr. F. Necati Catbas, fikret.catbas@ucf.edu

Phone: 407-823-2841

**Admission Requirements**

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

- Students wanting to declare a major in an engineering discipline must complete the change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

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

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations (9 hrs)**

- Required ENC 1101 Composition I | 3 hrs
- Required ENC 1102 Composition II | 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations | 3 hrs

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

- Select two courses from Historical Foundations | 6 hrs
- Select one 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
- Suggested GEO 1200 Physical Geography | 3 hrs
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

#### Select one of the following sequences of courses:
- **Preferred course**
  - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- or - First alternative: Select all of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

### 3. Core Requirements: Basic Level (2 hrs)
- EGN 1000C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

### 4. Core Requirements: Advanced Level (63 hrs)
- 1 EGN 3310 Engineering Analysis-Statics 3 hrs
- 1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
- 1 EGN 3331 Mechanics of Materials 3 hrs
- EGN 3433 Thermodynamics 3 hrs
- 1 EGN 3613 Economic Analysis 2 hrs
- 1 ENV 3001 Introduction to Environmental Engineering 3 hrs
- 1 CCE 4003 Introduction to the Construction Industry 3 hrs
- 1 STA 3032 Probability and Statistics for Engineers GEP
- CGN 3700C Civil Engineering Measurements 4 hrs
- CGN 3301C Civil Engineering Materials 3 hrs
- 1 CEG Geotechnical Engineering I 4 hrs
- 4011C
  - 1 CES 4100C Structural Analysis I and Lab 4 hrs
  - 1 CWR 4632C Water Resources Engineering I 4 hrs
  - TTE 3810 Highway Engineering 3 hrs
  - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
  - 1 CES 4605 Steel Structures 3 hrs
  - 1 CES 4702 Reinforced Concrete Structures 3 hrs

#### Select 3:
- Take 3 from the following:
  - CEG 4012 Geotechnical Engineering II or 3 hrs
  - CWR 4633C Water Resources Engineering II or 3 hrs
  - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

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
- 1 CEG Geotechnical Engineering Design or 3 hrs
- CES 4743 Structural Design or 3 hrs
- 1 CWR Water Resources Design or 3 hrs
- 4812C
  - 1 ENV 4562C Environmental Engineering Water 3 hrs
  - Treatment Design or 3 hrs
- 1 TTE 4801C Urban Systems Design 3 hrs

1 A "C" (2.0) or better is required in this course.

### 7. Foreign Language Requirements

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

#### Graduation
- None

#### 8. Electives
- None

### 9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 48 hours of extension, correspondence, CLEP, Credit by 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.
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 6 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EGN 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 Fundamentals of Chemistry for Engineers 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
ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
TTE 4274 Transportation Engineering Systems 3 hrs

Design Elective 3 hrs
CEG 4801C Geotechnical Engineering Design or 3 hrs
CES 4743C Structural Design or 3 hrs
CWR 4812C Water Resources Design or 3 hrs
ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
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 4012 Geotechnical Engineering II or 3 hrs
CWR 4633C Water Resources Engineering II or 3 hrs
TTE 4274 Transportation Engineering Systems or 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $33 per term
Full-Time Student: $66 per term

Communication Sciences and Disorders
(B.A. / B.S.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: advising@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 Public University/ Community College System
Students should consult with a departmental advisor
The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
Students must earn at least a “C-“ (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective
Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Select 1: STA 2014C Principles of Statistics or 3 hrs
Suggested STA 2023 Statistical Methods I 3 hrs
Select 1: STA 2014C Principles of Statistics or 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs
D: Social Foundations (6 hrs)
Suggested PSY 2012 General Psychology 3 hrs
### UCF Degree Programs

**Select 1:** 3 hrs  
Suggested ECO 2013 Principles of Macroeconomics 3 hrs  
Suggested ECO 2023 Principles of Microeconomics 3 hrs  
Suggested POS 2041 American National Government 3 hrs

**E: Science Foundations (6 hrs)**  
Preferred BSC 1005 Biological Principles 3 hrs  
Required PHY, PSC, or CHM course 3 hrs

**2. Common Program Prerequisites (CPP)**

- STA 2014C Principles of Statistics GEP 3 hrs  
- BSC 1005 Basic Psychology GEP 3 hrs  
- PSY 2012 General Psychology GEP 3 hrs  
- PHY 2XXX Physics Course GEP 3 hrs

**3. Core Requirements: Basic Level**  
- None

**4. Core Requirements: Advanced Level (56 hrs)**

**Core Requirements 53 hrs**

- GEP 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  
- STA 2014C Principles of Statistics GEP 3 hrs  
- BSC 1005 Basic Psychology GEP 3 hrs  
- LIN 3716 Language Development 3 hrs  
- LIN 3716L Language Development Lab 2 hrs  
- SPA 3111L Speech Production Lab 1 hr  
- SPA 3114 Neural Bases of Communication 3 hrs  
- SPA 3123 Speech Science I: Perception 3 hrs  
- SPA 3123L Speech Perception Lab 1 hr  
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs  
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs  
- SPA 4400 Language Disorders Across the Life Span 3 hrs  
- SPA 4321 Audiologic Rehabilitation 3 hrs  
- LIN 3713 Language Science 3 hrs  
- SPA 4870C Capstone Course 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 3 hrs

**Statistics Requirement 3 hrs**  
- Students have two options for completing this requirement:
  - **Option 1:** STA 2023 Statistical Methods I and GEP 3 hrs  
  - STA 4163 Statistical Methods II 3 hrs
  - **Option 2:** STA 2014C Principles of Statistics and Research Methods in Communication Sciences and Disorders 3 hrs
  - SPA 4803 Statistical Methods I and Research Methods in Communication Sciences and Disorders 3 hrs

**5. Restricted Electives (9 hrs)**  
- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

**B.A./B.S. Option:**  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

**6. Capstone Requirements**  
- SPA 4870C Capstone Course 3 hrs

**7. Foreign Language Requirements**

**Admissions**  
- Students must demonstrate proficiency in a foreign language equivalent to one year in college (or equivalent proficiency exam) prior to graduation.

**Graduation**  
- None

**8. Electives**  
- Students can choose 12 hours of electives. A minor or certificate is encouraged.

**9. Additional Requirements**  
- None

**10. Required Minors**  
- None

**11. Departmental Exit Requirements**  
- Students must achieve a minimum grade of “C-” (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

**12. University Minimum Exit Requirements**  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- Interested students should consult with the undergraduate program coordinator.

**Related Programs**  
- Health Services Administration  
- Psychology  
- Social Work

**Certificates**  
- None

**Related Minors**  
- Exceptional Education  
- Early Childhood Education  
- Aging Studies  
- Health Services Administration  
- Interpersonal/Organizational 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.
## Plan of Study

### Freshman Year - Fall
- **16 hrs**
  - ENC 1101: Composition I (3 hrs)
  - PSY 2012: General Psychology (3 hrs)
  - BSC 1005L: Biological Principles Laboratory (1 hr)
  - SPA 1005: Basic Spanish (3 hrs)
  - Free Elective: 3 hrs
  
### Freshman Year - Spring
- **15 hrs**
  - ENC 1102: Composition II (3 hrs)
  - DEP 2004C: Developmental Psychology (3 hrs)
  - Select 1: 3 hrs
  
### Sophomore Year - Fall
- **15 hrs**
  - SPA 3471: Communication Disorders in Literature and Media (3 hrs)
  - SPA 3101: Psychological Bases of Speech and Hearing (3 hrs)
  - LIN 3713: Language Science (3 hrs)
  - Free Elective: 3 hrs

### Sophomore Year - Spring
- **13 hrs**
  - Select 1: 3 hrs
  
### Junior Year - Fall
- **13 hrs**
  - STA 4163: Research Methods in Communication Sciences and Disorders (3 hrs)
  - SPA 4032: Audiology (3 hrs)
  - SPA 4400: Language Disorders Across the Life Span (3 hrs)
  - SPA 4476: Multicultural Aspects of Communication Disorders & Differences (3 hrs)

### Junior Year - Spring
- **15 hrs**
  - SPA 4032: Audiology (3 hrs)
  - SPA 4463: Clinical Aspects of Communication Disorders (3 hrs)
  - SPA 4476: Multicultural Aspects of Communication Disorders & Differences (3 hrs)

### Senior Year - Fall
- **10 hrs**
  - Select 1: 3 hrs
  - SPA 4478: Multicultural Aspects of Communication Disorders & Differences (3 hrs)
  - SPA 4400: Language Disorders Across the Life Span (3 hrs)
  - SPA 4032: Audiology (3 hrs)
  - Free Elective: 3 hrs

### Senior Year - Spring
- **12 hrs**
  - SPA 4032: Audiology (3 hrs)
  - SPA 4870C: Capstone Course (3 hrs)
  - Free Elective: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

### Computer Engineering (B.S.P.E.)

#### College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie

Charlese Hilton-Brown

Phone: 407-823-3327

### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

### Degree Requirements
- None
1. UCF General Education Program (GEP) (38 hrs)

- UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs

Suggested SPC 1603 Fundamentals of Technical Presentations or:
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Preferred ECO 2013 Principles of Macroeconomics or:
Preferred ECO 2023 Principles of Microeconomics 3 hrs
Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CPE major courses, a 2.0 (C or better) in each course is required for those course indicated.

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

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

Select 1: 4 hrs

2CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

1 A “C” (2.0) or better is required in this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 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:
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 51 hrs

COT 3100C Introduction to Discrete Structures 3 hrs
COT 3502C Computer Science I 3 hrs
COT 3503C Computer Science II 4 hrs
COT 3330 Object Oriented Programming 3 hrs
COT 4331C Processes for Object Oriented Software Development 4 hrs
EEL 3004 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
COT 4600 Operating Systems 3 hrs
EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (6 hrs)

- Technical electives are available in the BScPE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by 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
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
## UCF Degree Programs

**Mathematics**

**Physics**

**Advising Notes**

- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).

**The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.**

**Transfer Notes**

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

**Acceptable Substitutes for Transfer Courses**

**None**

### Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1007C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEH-Historical Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEH-Science Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Select 1**

- 3 hrs

1. SPC 1603 Fundamentals of Technical Presentations
2. SPC 1608 Fundamentals of Oral Communication

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<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>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 9211</td>
<td>Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEH-Historical Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3304</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- 4 hrs

1. CHS 1440 Fundamentals of Chemistry for Engineers
2. CHM 2045C Chemistry Fundamentals I

### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEH- Cultural Foundation</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3520C</td>
<td>Computer Science I</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>EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- 3 hrs

1. EGN 3321 Engineering Analysis-Dynamics or
2. EGN 3358 Thermo-Fluids-Heat Transfer

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
<td></td>
</tr>
<tr>
<td>GEH- Social Foundation</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>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4765</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Select 1:**

- 3 hrs

1. ECO 2013 Principles of Macroeconomics or
2. ECO 2023 Principles of Microeconomics

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $28 per term
- Full-Time Student: $55 per term

### Computer Science (B.S.) College of Engineering and Computer Science

#### Department of Electrical Engineering and Computer Science


**Email: undergraduate@eecs.ucf.edu**

**Dr. Ali Orooji**

**Julie Farris**

**Phone: 407-823-3327**

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

**Admission Requirements**

- None

**Degree Requirements**

- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level.
- Students must earn at least a 2.0 in each course 2-5.

1. UCF General Education Program (GEP) [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**A: Communication Foundations (9 hrs)**

- Required ENC 1102 Composition II 3 hrs
- Required ENC 1102 Composition II 3 hrs

**Select 1:**

- 3 hrs

1. SPC 1603 Fundamentals of Technical Presentations
2. SPC 1608 Fundamentals of Oral Communication

**Computer Science (B.S.) College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science**


**Email: undergraduate@eecs.ucf.edu**

**Dr. Ali Orooji**

**Julie Farris**

**Phone: 407-823-3327**

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

**Admission Requirements**

- None

**Degree Requirements**

- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level.
- Students must earn at least a 2.0 in each course 2-5.

1. UCF General Education Program (GEP) [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**A: Communication Foundations (9 hrs)**

- Required ENC 1102 Composition II 3 hrs
- Required ENC 1102 Composition II 3 hrs

**Select 1:**

- 3 hrs

1. SPC 1603 Fundamentals of Technical Presentations
2. SPC 1608 Fundamentals of Oral Communication

**Undergraduate Catalog 2012-2013**
UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Select 2:
- Advanced mathematics or statistics 6 hrs
- Courses offered by Computer Science may also be used
  cooperatively or education hours. Approved IT

Select 2:
- MAC 2311C Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 2:
- 4 hours for this requirement assumes that BSC 2010C
  is taken since the hours for this course are also in the GEP.
- BSC 2010C Biology I or
- BSC 2011C Biology II or
- CHM 2046 Chemistry Fundamentals II or
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

3. Core Requirements: Basic Level (25 hrs)
- A "C" (2.0) or better is required in all courses in this area.
- STA 2023 Statistical Methods I GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COT 3960 CS Foundation Exam 0 hrs

4. Core Requirements: Advanced Level (20 hrs)
- A "C" (2.0) or better is required in all courses in this area.
- Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 4768 Computer Architecture 3 hrs
- COP 4201 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
- A "C" (2.0) or better is required in all courses in this area.
4000-5000 level Computer Science courses 9 hrs
- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Complete an exit survey
- Computer Competency met by completion of major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology
- 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 Interdisciplinary Informatics Technology program section in the back of this catalog for more information.

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3960 CS Foundation Exam 0 hrs
Sophomore Year - Fall
- MAC 3402: Systems Software 3 hrs
- COP 3503C: Computer Science II 4 hrs
- PHY 2049C: Physics for Engineers & Scientists II 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- COP 4331C: Processes for Object-Oriented Software Development 4 hrs
- ENC 3241: Writing for the Technical Professional 3 hrs
- PHY 2048C: Physics for Engineers & Scientists II 4 hrs
- CIS 3380: Security in Computing 3 hrs

Sophomore Year - Summer
- STA 2023: Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall
- EEL 4768: Computer Architecture 3 hrs
- COP 4020: Programming Languages I 3 hrs
- BSC 2010C: Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring
- COP 4600: Operating Systems 3 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Junior Year - Summer
- COT 4210: Discrete Structures II 3 hrs

Senior Year - Fall
- COT 4810: Topics in Computer Science 3 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Math/Stat Restricted Elective 3 hrs
- Multicultural 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/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.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 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101: Composition I 3 hrs
   - Required ENC 1102: Composition II 3 hrs
   - Suggested SPC 1603: Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one class from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 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 2311 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.

   A: Mathematical Foundations Group (7 hrs)
   - MAC 2311C: Calculus with Analytic Geometry I 4 hrs
   - MAC 2312: Calculus with Analytic Geometry II 4 hrs
   - MAC 2313: Calculus with Analytic Geometry III 4 hrs
   - MAP 2302: Ordinary Differential Equations I 3 hrs
   - PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHS 1440: Fundamentals of Chemistry for Engineers 4 hrs
- First alternative: Select both of the following:
  - CHM 2040: Chemistry Fundamentals I and 3 hrs
  - CHM 2041: Chemistry Fundamentals II 3 hrs
- Second alternative
  - CHM 2045C: Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
   - EGN 1003C: Introduction to the Engineering Profession 1 hr
   - EGN 1007C: Engineering Concepts and Methods 1 hr
UCF Degree Programs

4. Core Requirements: Advanced Level (60 hrs)

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4004 Construction Methods 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs
- CWR 4622C Water Resources Engineering I 4 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE 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)
- EGN 4810C Construction Design Project 3 hrs
- CGN 4800C CECE Capstone Design 3 hrs

7. Foreign Language Requirements

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

8. Electives

- 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. The exam is offered in April and October.

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
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Civil Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
- Business

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311C 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 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs

Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- GEP 3 hrs
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
Mary Ann Eastep
Phone: 407-823-2603

Admission Requirements
- None

Degree Requirements
- Students change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

Sophomore Year - Summer 9 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 17 hrs
CES 4100C Structural Analysis I and Lab 4 hrs
GEP 3 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall 13 hrs
CCE 4810C Construction Design Project 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs
Approved Technical Elective 3 hrs

Select 1: 3 hrs
- CEG 4011C Geotechnical Engineering I or 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Spring 12 hrs
CGN 4808C CECE Capstone Design 3 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
GEP 3 hrs

Select 1: 3 hrs
- 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.oas.ucf.edu/oac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

Criminology and Justice Studies (CJS)
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
Mary Ann Eastep
Phone: 407-823-2603

Admission Requirements
- None

Degree Requirements
- Students change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

Sophomore Year - Summer 9 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 17 hrs
CES 4100C Structural Analysis I and Lab 4 hrs
GEP 3 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall 13 hrs
CCE 4810C Construction Design Project 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs
Approved Technical Elective 3 hrs

Select 1: 3 hrs
- CEG 4011C Geotechnical Engineering I or 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Spring 12 hrs
CGN 4808C CECE Capstone Design 3 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
GEP 3 hrs

Select 1: 3 hrs
- 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.oas.ucf.edu/oac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

UCF Degree Programs
### UCF Degree Programs

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Psychology

### Certificates
- None

### Related Minors
- Legal Studies
- Public Administration
- Psychology

### Advising Notes
- None

### Transfer Notes
- "D" (1.0) grades are not accepted.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAF 2102: Public Affairs Careers</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- MGF 1106: Finite Mathematics or 3 hrs
- MAC 1105C: College Algebra 3 hrs

#### Select 1:
- PSY 2012: General Psychology or 3 hrs
- SYG 2000: Introduction to Sociology or 3 hrs
- ANT 2000: General Anthropology 3 hrs

#### Select 1:
- EUH 2000: Western Civilization I or 3 hrs
- HUM 2210: Humanistic Tradition I or 3 hrs
- AMH 2010: U.S. History: 1492-1877 3 hrs

#### Freshman Year - Spring
<table>
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<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 1000C: Introduction to Computer Science</td>
<td>3 hrs</td>
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</tbody>
</table>

#### Select 1:
- PSC 1121: Physical Science or 3 hrs
- CHM 1020: Concepts in Chemistry 3 hrs

#### Select 1:
- PHI 2100: Introduction to Philosophy or 3 hrs
- MUL 2100: Enjoyment of Music 3 hrs

#### Select 1:
- ARH 2050: History of Western Art I or 3 hrs
- THE 2000: Theatre Survey or 3 hrs
- REL 2300: World Religions or 3 hrs
- PHI 2010: Introduction to Philosophy or 3 hrs
- LIT 2120: World Literature II or 3 hrs

#### Sophomore Year - Fall
<table>
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<th>Course</th>
<th>Hours</th>
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<tr>
<td>SPC 1608: Fundamentals of Oral Communication</td>
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<tr>
<td>Free Elective</td>
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</tbody>
</table>

#### Select 1:
- EUH 2001: Western Civilization II or 3 hrs
- HUM 2230: Humanistic Tradition II or 3 hrs
- AMH 2020: U.S. History: 1877-Present 3 hrs

#### Select 1:
- BSC 1005: Biological Principles or 3 hrs
- MCB 1310: Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030: Geology and its Applications or 3 hrs

<table>
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<th>Course</th>
<th>Hours</th>
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<tr>
<td>PSC 1121: Physical Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511: The Human Species</td>
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#### Select 1:
- POS 2041: American National Government or 3 hrs
- ECO 2013: Principles of Macroeconomics 3 hrs

#### Sophomore Year - Spring
<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CCJ 3024: Criminal Justice System</td>
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</tr>
<tr>
<td>CCJ 3014: Crime in America</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Supporting Elective</td>
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<td>CJ Elective</td>
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#### Junior Year - Fall
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<th>Course</th>
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<tr>
<td>CJL 3510: Prosecution and Adjudication</td>
<td>3 hrs</td>
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<tr>
<td>CJC 3010: Corrections and Penology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ Elective</td>
<td>3 hrs</td>
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#### Senior Year - Fall
<table>
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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CCJ 4746: Data Analysis for Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
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#### Senior Year - Spring
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CCJ Internship or CJL Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 Free Elective</td>
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<tr>
<td>1 Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Criminal Justice Scholar's Track (B.A. / B.S.)

- Program Academic Learning Compacts
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

- Criminal Justice Scholar's Track (B.A. / B.S.)
  - College of Health and Public Affairs
  - Department of Criminal Justice and Legal Studies, Health and Public Affairs 1, Room: Room 311
  - [http://www.cohpa.ucf.edu/crim.jus/](http://www.cohpa.ucf.edu/crim.jus/)
  - Email: cjadvise@ucf.edu
  - Mary Ann Eastep, UG Program Coordinator
  - Phone: 407-823-2603

#### Admission Requirements
- An application is required. Minimum GPA of 3.0 for Admission.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1
- Suggested CGS 1060C Introduction to Computer Science or 3 hrs
- Suggested STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Suggested STA 2014C Principles of Statistics or 3 hrs

Select 1
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1060C College Algebra or 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology or 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science or 3 hrs

Select 1:
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs

Select 1:
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2000 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Free Elective or 3 hrs
UCF Degree Programs

Digital Media (B.A.)

College of Arts and Humanities
School of Visual Arts and Design,
12461 Research Parkway, OTC 500
http://svad.cah.ucf.edu/

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 or realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree.

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

- None

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should see the School's advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required
- ARH 2050  History of Western Art I
- ARH 2051  History of Western Art II

Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required
- COP 2500C  Concepts in Computer Science

1 Required
- MAC 1105C  College Algebra

1 (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

Required
- COP 2500C  Concepts in Computer Science
- ART 2300C  Drawing Fundamentals I
- ARH 2050  History of Western Art I
- ARH 2051  History of Western Art II
- ART 2201C  Design Fundamentals-Two Dimensional
- ART 2300C  Drawing Fundamentals I
- 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's achieving at least a 'B' (3.0) in DIG 2000.

Digital Media Core: Basic

DIG 2000  Introduction to Digital Media 3 hrs
DIG 2030C  Digital Video Fundamentals 3 hrs
DIG 2105C  Digital Imaging Fundamentals 3 hrs
DIG 2500C  Fundamentals of Interactive Design 3 hrs

Game Design: Basic Concentration 24 hrs

COP 3223  Introduction to Programming with C and 3 hrs
COP 3330  Object Oriented Programming and 3 hrs
DIG 4630C  Media Business Practices and 3 hrs
DIG 4713  Game Design and 3 hrs
DIG 4715C  Game Production and 3 hrs
DIG 4720C  Casual Game Production and 3 hrs
FIL 3720C  Introduction to Animation and 3 hrs
GRA 2151C  Illustration 3 hrs

Game Design: Restricted Electives 18 hrs

- Complete 18 hours of credits from the following areas:
- NOTE: DIG 4725C Must be taken at least two times. It is repeatable for credit.

12 Additional hrs of 3000 or 4000 level courses from ART, 12 hrs
ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school. and
DIG 4725C  Game Design Workshop 6 hrs

Web Design 42 hrs
### Web Design: Basic Concentration 24 hrs
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and 3 hrs
- Entrepreneurship and 3 hrs
- DIG 3716C Internet Interaction and 3 hrs
- GRA 3803C Intermediate Computer Graphic Design and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4630C Media for e-Commerce and 3 hrs
- DIG 4630C Media Business Practices 3 hrs

### Web Design: Restricted Electives 18 hrs
- Complete 18 hours of credits from the following areas:
- Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
- 12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and
- DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

**Certificates**
- None

**Related Minors**
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

**Advising Notes**
- None

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**Early Childhood Development and Education Track**

1: Education: Pre-Kindergarten - Primary (PK-3)

(B.S.)

**College of Education**

**Department of Child, Family and Community Sciences,**

**Education Building, Room: 209**

**http://education.ucf.edu/ece/**

**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 community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- 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.
UCF Degree Programs

- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PdT) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PdT) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     - Required ENL 1101 Composition I 3 hrs
     - Required ENL 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - General Education Program elective from section B2: 3 hrs
     - Prefer REL 2300 World Religions or 3 hrs
     - Prefer PHI 2100 Introduction to Philosophy or 3 hrs
     - Prefer LIT 2110 World Literature I or 3 hrs
     - Prefer LIT 2120 World Literature II or 3 hrs
     - General Education Program elective from section B1 3 hrs
     - General Education Program elective: Prefer a second course from GEP section B1 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Select 1: 3 hrs
     - Prefer STA 2063C Basic Statistics Using Microsoft Excel or 3 hrs
     - Prefer STA 2043C Principles of Statistics 3 hrs
     - Select 1: 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - D: Social Foundations (6 hrs)
     - Prefer POS 2041 American National Government 3 hrs
     - Prefer PSY 2102 General Psychology 3 hrs
   - E: Science Foundations (6 hrs)
     - Prefer PSC 1121 Physical Science 3 hrs
     - Select 1: 3 hrs
     - Prefer ANT 2511 The Human Species or 3 hrs
     - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2102 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
   - In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)
   - Other Program Prerequisites
     - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
     - 1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
     - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
   - Select 1: MAC 1105C College Algebra or 3 hrs
     - MAE 2001 Elementary School Mathematics 4 hrs
   - Select 1: 3 hrs
     - ARE 2000 Early Childhood Art and Creativity or 3 hrs
     - MUE 2211 Early Childhood Music and Movement 3 hrs
   - 1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department

4. Core Requirements: Advanced Level (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

   Semester I 15 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
   - EEC 3700 Social and Emotional Development of Young Children 3 hrs
   - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
   - RED 3310 Early Reading, Writing and Language Arts 3 hrs
   - EEX 4751 Parent Involvement in Education 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   Semester II 15 hrs
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
   - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
   - EEC 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

   Summer 6 hrs
   - Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.
   - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs

   Semester III 12 hrs
   - Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
   - Students must apply and be approved for Internship.
   - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
   - 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
Semester IV 12 hrs

- Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

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
- REL 2300 World Religions or 3 hrs
- PHIL 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Spring 12 hrs
1. EDF 2130 Child and Adolescent Development for Educators 3 hrs
2. EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- GEP B3 Elective (Prefer AMH 2020) 3 hrs

1 Courses taken at community colleges may substitute for select courses with the permission of the department.

Sophomore Year - Summer

- Satisfaction of the CLASP requirement and/or GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and test sites.

Junior Year - Fall 15 hrs

- Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and test sites.

Junior Year - Spring 15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 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

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### UCF Degree Programs

#### Junior Year - Summer 6 hrs
- **Please note:** It is strongly recommended to take the Professional Education Test (PDT) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4003 Planning Creative Activities in Early Childhood Education</td>
<td></td>
</tr>
<tr>
<td>RED 3012 Basic Foundations of Reading</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year - Fall 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4300 Math Curriculum and Assessment in Early Childhood</td>
<td></td>
</tr>
<tr>
<td>SCE 4304 Teaching Science and Technology to Young Children</td>
<td></td>
</tr>
<tr>
<td>RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment</td>
<td></td>
</tr>
<tr>
<td>EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year - Spring 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943 Student Teaching</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/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Early Childhood Development and Education Track 2: Early Childhood Development (B.S.)

#### College of Education

**Department of Child, Family and Community Sciences, Education Complex, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.levin@ucf.edu, 407-823-4615

Phone: 407-823-4615

**EARLY CHILDHOOD DEVELOPMENT TRACK** Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

#### Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

#### Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 2211 Early Childhood Music and Movement</td>
<td></td>
</tr>
<tr>
<td>ARE 2000 Early Childhood Art and Creativity</td>
<td></td>
</tr>
<tr>
<td>SYG 2010 Social Problems</td>
<td></td>
</tr>
<tr>
<td>EEC 2732 Health, Safety, and Nutrition for Young Children</td>
<td></td>
</tr>
</tbody>
</table>

**Select 1:**
- EDF 2130 Child and Adolescent Development for Educators or SOW 3104 Assessing I: Human Development | 3 hrs |

#### 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td></td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education</td>
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<tr>
<td>LIN 3713 Language Science</td>
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</table>

**Semester II 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td></td>
</tr>
</tbody>
</table>

### UCF General Education Program (GEP)

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I | 3 hrs |
- Required ENC 1102 Composition II | 3 hrs |
- Prefer SPC 1608 Fundamentals of Oral Communication | 3 hrs |

#### B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: | 3 hrs |
  - Prefer REL 2300 World Religions or PHI 2010 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II | |
  - General Education Program elective from section B1 to meet Gordon Rule Requirement. General Education Program elective: Prefer a second course from GEP section B1. | |

#### C: Mathematical Foundations (6 hrs)
- **Select 1:** | 3 hrs |
  - Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics | |
- **Select 1:** | 3 hrs |
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics | |

#### D: Social Foundations (6 hrs)
- **Select:** | 3 hrs |
  - Prefer PSY 2012 General Psychology or POS 2041 American National Government | |

#### E: Science Foundations (6 hrs)
- **Select:** | 3 hrs |
  - Prefer PSC 1121 Physical Science | |

#### 2. Common Program Prerequisites (CPP) (6 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td></td>
</tr>
<tr>
<td>DEP 2004C Developmental Psychology</td>
<td></td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 2211 Early Childhood Music and Movement</td>
<td></td>
</tr>
<tr>
<td>ARE 2000 Early Childhood Art and Creativity</td>
<td></td>
</tr>
<tr>
<td>SYG 2010 Social Problems</td>
<td></td>
</tr>
<tr>
<td>EEC 2732 Health, Safety, and Nutrition for Young Children</td>
<td></td>
</tr>
</tbody>
</table>

**Select 1:**
- EDF 2130 Child and Adolescent Development for Educators or SOW 3104 Assessing I: Human Development | 3 hrs |

#### 4. Core Requirements: Advanced Level (60 hrs)

- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td></td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education</td>
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</tr>
<tr>
<td>LIN 3713 Language Science</td>
<td></td>
</tr>
</tbody>
</table>

**Semester I 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
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<td>EEC 4661 Early Childhood Education Theory and Practice</td>
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<td></td>
</tr>
<tr>
<td>LIN 3713 Language Science</td>
<td></td>
</tr>
</tbody>
</table>

**Semester II 15 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td></td>
</tr>
</tbody>
</table>
### Semester I
- EEC 4402 Cultural and Family Systems 3 hrs
- LAE 3414 Literature for Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

### Semester II
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

### Semester III
- EEC 4529 Program Management in Early Childhood 3 hrs

### Semester IV
- 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 Organization and Management in Early Childhood or EXP 3604C Cognitive Psychology or PEO 3041 Games Analysis or PET 3820 Teaching Sports Skills I or PET 4640 Adapted Physical Education or PET 4710 Methods for Physical Activity for Children and Adolescents or TSL 4080 Theory and Practice of Teaching ESL or SOW 4654 Children’s Services or SOW 4650 Child Abuse; Treatment and Prevention or EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or SOW 3104 Assessing I: Human Development 3 hrs

### Semester V
- EEC 4940 Practicum: Early Childhood Development 12 hrs

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**Honors In Major**

**Total Semester Hours Required**

**Rule, and nine hours of Summer credit permitted completed in residency at UCF**

**CLEP, Credit by Exam, and Armed Forces credits permitted**

**Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit taken at UCF.**

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**University Minimum Exit Requirements**

**1. Required Courses**

- Select One: 3 hrs
- Select Another: 3 hrs

**2. Electives**

- None

**3. Graduation Requirements**

- None

**4. Capstone Requirements**

- None

**5. Foreign Language Requirements**

- None

**6. Departmental Exit Requirements**

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines.

**7. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit taken at UCF.

**Total Semester Hours Required**

**120**

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**Advising Notes**

- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
- Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.
- Students interested in Child Life Specialist Certification: Select SOW 3104 - Assessing I: Human Development as a prerequisite course AND take EEC 4744 - Child Life: Psychosocial Care of Children in Health Settings as an elective course.

**Transfer Notes**

- Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

**Advising Notes**

- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

**Freshman Year - Fall**

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Select Elective if needed 3 hrs

**Freshman Year - Spring**

- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1:**

- REL 2300 World Religions or PHI 2010 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

**Freshman Year - Summer**

- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

**Sophomore Year - Fall**

- Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**

- BSC 1005 Biological Principles or ANT 2511 The Human Species 3 hrs

**Select 1:**

- STA 204C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel or GEP B1 elective (Prefer AMH 2010) 3 hrs
- Select Elective if needed 3 hrs

**Sophomore Year - Spring**

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- POS 2041 American National Government 3 hrs
- GEP B3 elective 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 Organization and Management in Early Childhood or EXP 3604C Cognitive Psychology or PEO 3041 Games Analysis or PET 3820 Teaching Sports Skills I or PET 4640 Adapted Physical Education or PET 4710 Methods for Physical Activity for Children and Adolescents or TSL 4080 Theory and Practice of Teaching ESL or SOW 4654 Children’s Services or SOW 4650 Child Abuse; Treatment and Prevention or EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or SOW 3104 Assessing I: Human Development 3 hrs

---

**Advising Notes**

- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

**Freshman Year - Fall**

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Select Elective if needed 3 hrs

**Freshman Year - Spring**

- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1:**

- REL 2300 World Religions or PHI 2010 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

**Freshman Year - Summer**

- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

**Sophomore Year - Fall**

- Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**

- BSC 1005 Biological Principles or ANT 2511 The Human Species 3 hrs

**Select 1:**

- STA 204C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel or GEP B1 elective (Prefer AMH 2010) 3 hrs
- Select Elective if needed 3 hrs

**Sophomore Year - Spring**

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- POS 2041 American National Government 3 hrs
- GEP B3 elective 3 hrs

---

**Advising Notes**

- 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.
UCF Degree Programs

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social and Emotional Development of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4661</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Early Childhood Education Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>RED 3310</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Early Reading, Writing and Language Arts</td>
<td></td>
</tr>
<tr>
<td>EEX 4751</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Parent Involvement in Education</td>
<td></td>
</tr>
<tr>
<td>LIN 3713</td>
<td>3 hrs</td>
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<tr>
<td>Language Science</td>
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</table>

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Classroom Management and Guidance of Young Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4207</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Assessment and Evaluation of Young Children</td>
<td></td>
</tr>
<tr>
<td>LAE 3414</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Literature for Children</td>
<td></td>
</tr>
<tr>
<td>EEC 4402</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural and Family Systems</td>
<td></td>
</tr>
<tr>
<td>EEX 4350</td>
<td>3 hrs</td>
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<tr>
<td>Young Children With Special Needs</td>
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</tbody>
</table>

Junior Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Planning Creative Activities in Early Childhood Education</td>
<td></td>
</tr>
<tr>
<td>EEC 4528</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Infant/Toddler Care and Education</td>
<td></td>
</tr>
</tbody>
</table>

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4050C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Motor Development and Learning</td>
<td></td>
</tr>
<tr>
<td>EEC 4414</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Parent-Child Relations</td>
<td></td>
</tr>
<tr>
<td>Select Two Early Childhood Development Track Electives</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4940</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Practicum: Early Childhood Development</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/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Economics (B.A.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA2 302N, 407-823-1403
David Scrogin, BA2 302U, 407-823-4129
Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)

A: Communication Foundations (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

Select 1:

- Suggested ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 2:

- Suggested ANT 2000 General Anthropology or ECO 2013 Principles of Macroeconomics GEP 3 hrs
- Suggested PSY 2012 General Psychology or ECO 2023 Principles of Microeconomics 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

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

ECT 2013 Principles of Macroeconomics GEPECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (12 hrs)

- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Select one of the following sequences of courses:

- ECO 3401 Quantitative Business Tools I 3 hrs

- or

- ECO 3410 Money and Banking 3 hrs
- STA 2023 Statistical Methods I 3 hrs

- Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:

- ECO 3101 Intermediate Microeconomics 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- or
- STA 4321 Statistical Theory I 3 hrs

5. Restricted Electives (21 hrs)

- All B.A. Economics majors will be required to take a minimum of seven (7) electives by choosing from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3223</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Money and Banking</td>
<td></td>
</tr>
<tr>
<td>ECO 3410</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 3703</td>
<td>3 hrs</td>
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<tr>
<td>International Microeconomics</td>
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<tr>
<td>ECO 3704</td>
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<tr>
<td>Global Economic Policy</td>
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<tr>
<td>ECO 4303</td>
<td>3 hrs</td>
</tr>
<tr>
<td>History of Economic Thought</td>
<td></td>
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<tr>
<td>ECO 4412</td>
<td>3 hrs</td>
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<tr>
<td>Econometrics</td>
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<tr>
<td>ECO 4504</td>
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<tr>
<td>Public Economics</td>
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<tr>
<td>ECO 4713</td>
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<tr>
<td>International Macroeconomics</td>
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<tr>
<td>ECO 4751</td>
<td>3 hrs</td>
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<tr>
<td>Law and Economics</td>
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</tr>
<tr>
<td>ECP 3203</td>
<td>3 hrs</td>
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<tr>
<td>Labor Economics</td>
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<tr>
<td>ECP 4303</td>
<td>3 hrs</td>
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<tr>
<td>Environmental and Natural Resource Economics</td>
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<tr>
<td>ECP 4403</td>
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<tr>
<td>Industrial Organization and Game Theory</td>
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<tr>
<td>ECS 4013</td>
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<tr>
<td>Development Economics</td>
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<tr>
<td>ECO 4934</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Topics in Econometrics</td>
<td></td>
</tr>
</tbody>
</table>

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3410</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Mathematical Economics</td>
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</tr>
<tr>
<td>ECO 3703</td>
<td>3 hrs</td>
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<tr>
<td>International Microeconomics</td>
<td></td>
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<tr>
<td>ECO 4412</td>
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</tr>
<tr>
<td>ECP 4403</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Industrial Organization and Game Theory</td>
<td></td>
</tr>
<tr>
<td>ECO 4934</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Topics in Econometrics</td>
<td></td>
</tr>
</tbody>
</table>
7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   
   Graduation
   ■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.

11. Departmental Exit Requirements
   ■ Students majoring in Economics must earn a grade of “C” (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
   ■ Computer Competency met by Research Methods course.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Economics, Business

Certificates
■ None

Related Minors
■ Computer Science
■ Legal Studies
■ Mathematics
■ Political Science
■ Psychology
■ Sociology
■ Statistics

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
■ None

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Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105 College Algebra 3 hrs
- Free Elective 3 hrs
- Cultural History 3 hrs

Freshman Year - Spring
- ECO 2023 Principles of Microeconomics 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Cultural History 2 3 hrs
- Art, Music, or Lit 3 hrs
- 1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Foreign Language 4 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs
- 1 “C” (2.0) or better grade required in each class
- 2 (if no prior Calculus)

Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- Foreign Language 4 hrs
- PSY/ANT/SOC 3 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs
- Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- ECO Elective 3 hrs
- 2 Elective / Minor 3 hrs
- Free Elective 3 hrs
- 1 (or STA 4163 or STA4321)
- 2 18 hours (minimum) of minor required.

Junior Year - Spring
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- Free Elective 3 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Fall
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Spring
- 1 Elective / Minor 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- ECO Elective 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs
- 1 18 hours (minimum) of minor required.

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $15 per term
■ Full-Time Student: $30 per term

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UNIVERSITY OF CENTRAL FLORIDA
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U CF Degree Programs

Economics, Business (B.S.B.A.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305

http://www.bus.ucf/economics

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements

■ See Common Program Prerequisites
■ Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College

Degree Requirements

■ Not eligible for a double degree with another College of Business Administration major or a BA in Economics
■ Students in the Business Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Economics courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Economics courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Economics courses in the subsequent term, that student will be dropped as a Business Economics major.
A student who is dropped may seek readmission as a Business Economics major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Economics GPA of 2.0 or higher. Readmission is not automatic.

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

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

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

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Prefer MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Suggested ECO 2013 Principles of Macroeconomics or 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) (21 hrs)
■ Must be completed with a "C" (2.0) or better.
■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
AGC 2021 Principles of Financial Accounting 3 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
■ Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
ECO 3401 Quantitative Business Tools I 3 hrs
or
1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
1 or any Calculus 1 & 2 sequence

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (38 hrs)
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
1 Must be taken in 1st or 2nd semester.

Required Major Courses 6 hrs
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (18 hrs)
■ All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
ECO 3223 Money and Banking 3 hrs
ECO 3410 Mathematical Economics 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 3704 Global Economic Policy 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 4761 Law and Economics 3 hrs
ECP 3203 Labor Economics 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs
ECS 4013 Development Economics 3 hrs
ECO 4934 Topics in Econometrics 3 hrs

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 3703 International Microeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs
ECO 4934 Topics in Econometrics 3 hrs

6. Capstone Requirements (7 hrs)
ECO 4934 Topics in Econometrics 3 hrs
1 MAN 4720 Strategic Management 4 hrs

1 This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023

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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.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Certificate
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residency requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021 - Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall 15 hrs
1 ENC 1101 Composition I 3 hrs
1 SPC 1608 Fundamentals of Oral Communication 3 hrs
1 MAC 1105C College Algebra 3 hrs
1 Cultural History 3 hrs
1 Free Elective 3 hrs

Freshman Year - Spring 15 hrs
1 ECO 2013 Principles of Macroeconomics 3 hrs
1 ENC 1102 Composition II 3 hrs
1 CGS 1101 Computer Fundamentals for Business 3 hrs
1 2100C 3 hrs
1 Cultural History 3 hrs
1 Art, Music, or Literature 3 hrs

Sophomore Year - Fall 15 hrs
1 ECO 2023 Principles of Microeconomics 3 hrs
2 ECO 3401 Quantitative Business Tools I 3 hrs
1 ACG 2021 Principles of Financial Accounting 3 hrs
1 Free Elective 3 hrs
1 Science 3 hrs

Sophomore Year - Spring 15 hrs
1 ECO 3101 Intermediate Microeconomics 3 hrs
1 ACG 2071 Principles of Managerial Accounting 3 hrs
1 Science 3 hrs
1 Free Elective 3 hrs
1 PSY/JAN/SOC 3 hrs

Junior Year - Fall 15 hrs
1 ECO 3203 Intermediate Macroeconomics 3 hrs
1 ECO 3411 Quantitative Business Tools II 4 hrs
1 MAR 3023 Marketing 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
1 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 15 hrs
1 GEB 3375 Introduction to International Business 4 hrs
1 MAN 3025 Management of Organizations 4 hrs
1 FIN 3403C Business Finance 4 hrs
1 Economics Elective 3 hrs
### UCF Degree Programs

#### 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

**Email:** undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Charlese Hilton-Brown
Phone: 407-823-3327

**Admission Requirements**

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

**Degree Requirements**

- None

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

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>Required ENC 1101 Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two courses from Historical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select one course from Cultural Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>Required MAC 2311C Calculus with Analytic Geometry I</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from Social Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>Required PHY 2048C Physics for Engineers &amp; Scientists I</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select one course from Science Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System.

**Courses Required for the Engineering Core (53 hrs)**

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
</tbody>
</table>

Select 1: 4 hrs

- CHS 1440 Fundamentals of Chemistry for Engineers or CHM 2045C Chemistry Fundamentals I

- A "C" (2.0) or better is required in this course.

#### 3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

**Courses Required for the Engineering Core (9 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

- EGN 1006C Introduction to the Engineering Profession |
- EGN 1007C Engineering Concepts and Methods

#### 4. Core Requirements: Advanced Level (53 hrs)

- These courses are specifically required for all engineering students of the Florida State University System.

**Courses Required for the Major (44 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication</td>
</tr>
<tr>
<td>EEL 3857</td>
<td>Linear Control Systems</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization</td>
</tr>
<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
</tr>
<tr>
<td>EGN 3211</td>
<td>Engineering Analysis and Computation</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

- EEL 3567 Linear Control Systems |
- EEL 3801C Computer Organization |
- EEE 4309C Electronics II |
- EEL 4750 Digital Signal Processing Fundamentals |
- EEL 4742C Embedded Systems |
- EGN 3211 Engineering Analysis and Computation

#### 5. Restricted Electives (10 hrs)

- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

**Technical Electives** 10 hrs

- Technical elective courses are to be selected by the student from department approved courses.

#### 6. Capstone Requirements (6 hrs)

- EEL 4914 and EEL 4915L
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

Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

Required Minors
- None

Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Accepted Substitutes for Transfer Courses
- None

Program of Study

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Select 1
- EGN 2300 3 hrs
- PHY 2054C 4 hrs
- MAC 2313 4 hrs

Sophomore Year - Fall
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP- Cultural Foundation 3 hrs

Sophomore Year - Spring
- PHY 3101 Physics for Engineers and Scientists II 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- ECE 3004 3 hrs
- ENC 1102 Composition II 3 hrs

Select 1
- ECO 1023 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs

Junior Year - Fall
- EEE 3350 Semiconductor Devices I 3 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3801C Computer Organization 3 hrs

Junior Year - Spring
- EEE 3367 Linear Control Systems 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1
- ECE 3321 Engineering Analysis-Dynamics or 3 hrs
- ECE 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
- GEP-Historical Foundation 3 hrs

Senior Year - Spring
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electromagnetics 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.oead.ucf.edu/alc/academic_learning.compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Elementary Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
http://education.ucf.edu/eleded/

Dr. Karri Williams, Karri.Williams@ucf.edu
Dr. Robert Everett, ED 122M, Robert.Everett@ucf.edu, 407-823-5788

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:
- Prefer ARH 2050 History of Western Art I or 3 hrs
- Prefer ARH 2051 History of Western Art II or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1:
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MAC 1114 Pre-Calc 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 204C 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.

Select 1:
- 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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 2801</td>
<td>Elementary School Mathematics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 2081</td>
<td>Wellness, Children and Schools</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1. Other Program Requirements (8 hrs)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- PET 2081 Wellness, Children and Schools 1 hr

1. Lower Division Electives (7 hrs)

- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination:
  - MAC 1105 or MGF 1106 (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.

4. Core Requirements: Advanced Level (60 hrs)

- The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4314</td>
<td>Literature for Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I

Semester II (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4314</td>
<td>Language Arts in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4519</td>
<td>Diagnostic and Corrective Reading</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Teaching Exceptional Students</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I

Summer (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Semester III (Internship I Block) (12 hrs)

- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL.

- Students must apply and be approved for Internship I.

Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801, RED 4942 Practicum for Assessment and Instruction of Reading, MAE 4326 How Children Learn Mathematics, EDE 3942 Internship I, EDE 4223 Integrated Arts and Movement in the Elementary School.
Semester IV (Internship II)  12 hrs

- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EDE 4943 Internship II (Elementary) 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

Freshman Year - Spring 13 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall 15 hrs
- AMH 2010 U.S. History: 1877-Present 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Sophomore Year - Spring 14 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- 1 PET 2081 Wellness, Children and Schools 1 hr

- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring 15 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

Junior Year - Summer 6 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- EDF 4942 Practicum for Assessment and Instruction of Reading 3 hrs
- EDE 3942 Internship I 3 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Spring 12 hrs
- EDE 4943 Internship II (Elementary) 12 hrs
### UCF Degree Programs

**English - Creative Writing (B.A.)**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

[http://english.cah.ucf.edu](http://english.cah.ucf.edu)

**Email:** english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

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### Admission Requirements

- **none**

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

**A: Communication Foundations**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**

- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

**C: Mathematical Foundations**

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

**Statistics - Computers**

Select a course from GEP C.2 list 3 hrs

**D: Social Foundations**

**E: Science Foundations**

#### 2. Common Program Prerequisites (CPP) (6 hrs)

- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

#### 3. Core Requirements: Basic Level (9 hrs)

- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3014 Theories and Techniques of Literature 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

#### 4. Core Requirements: Advanced Level (12 hrs)

- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.

**Select 1:** 3 hrs

- AML 3001 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 3004 Whitman and His Heirs or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
- AML 3266 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 4153 American Poetry at Mid-Century or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4265 Florida Writers or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4263 The Victorian Age: Poetry or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- LIT 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)

- 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 3121 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
- CRW 4224 Advanced Nonfiction Workshop or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop or 3 hrs

**c. Choose one of the following:** 3 hrs

**Select 1:** 3 hrs

- CRW 3311 Structure of Verse or 3 hrs
- CRW 3540 Literary Magazines or 3 hrs
- CRW 4114 History of Prose Style or 3 hrs
- CRW 3950 Cypress Dome Editorship or 3 hrs
- CRW 4724 The Florida Review or 3 hrs
- CRW 4014 The Writing Life or 3 hrs
- CRW 4014 The Writing Life or 3 hrs
- CRW 4014 The Writing Life or 3 hrs
- CRW 4014 The Writing Life or 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.oeus.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeus.ucf.edu/alc/academic_learning_compacts.htm)

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6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- New

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

120

Honors in Major

- (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Technical Communication
- English - Literature

Certificates

- None

Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric
- English - Literature

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 15 hrs

- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall 15 hrs

- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- 3 hrs Restricted Elective
- BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring 15 hrs

- CRW 3013 Creative Writing for English Majors 3 hrs
- AML 3031 American Literature I 3 hrs
- ENL 2012 English Literature I 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Junior Year - Fall 15 hrs

- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs

- CRW 3622 Advanced Fiction Workshop 3 hrs
- CRW 3623 Advanced Poetry Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 12 hrs

- ENL 4022 English Literature II 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 12 hrs

- CRW 3410 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.oeras.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

English - Literature (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

http://english.cah.ucf.edu

Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must earn at least a “C” (2.0) in each required course.

■ Co-op or internship credit is not accepted in the major.

■ Students should consult with a departmental advisor.

■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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 1.B.1 list 3 hrs

C: Mathematical Foundations

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

1 ENC 1101 Composition I GEP

1 ENC 1102 Composition II GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

1 ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs

CRW 2013 Creative Writing for English Majors or 3 hrs

ENC 3241 Writing for the Technical Professional or 3 hrs

CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

■ Literary History Requirement

■ Choose five courses from the two groupings

Select at least two 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 3031 American Literature I or 3 hrs

AML 3613 Narratives of Slavery or 3 hrs

AML 4304 Whitman and His Heirs or 3 hrs

ENL 2012 English Literature I or 3 hrs

ENL 4220 English Renaissance Poetry and Prose or 3 hrs

ENL 4230 18th Century Studies or 3 hrs

ENL 4240 English Romantic Writers or 3 hrs

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 4153 American Poetry at Mid-Century or 3 hrs

AML 4155 Modern American Poetry or 3 hrs

AML 4261 Literature of the South or 3 hrs

AML 4265 Florida Writers or 3 hrs

AML 4321 Modern American Literature or 3 hrs

AML 4630 Latino/Latina Literature or 3 hrs

ENL 2022 English Literature II or 3 hrs

ENL 4101 English Novel or 3 hrs

ENL 4253 The Victorian Age: Poetry or 3 hrs

ENL 4262 Nineteenth Century British Prose or 3 hrs

ENL 4273 Modern British Literature or 3 hrs

LIT 3082 Continental European Fiction Since 1900 or 3 hrs

LIT 3192 Caribbean Literature or 3 hrs

LIT 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: 3 hrs

Select 1: 3 hrs

AML 4330 Major Authors or 3 hrs

ENL 4311 Chaucer or 3 hrs

ENL 4341 Milton and His Age or 3 hrs

ENL 4333 Shakespeare Studies or 3 hrs

ENL 4303 British Authors or 3 hrs

LIT 4244 World Authors or 3 hrs

Choose one linguistics or theory course: 3 hrs

Select 1: 3 hrs

ENG 3010 Practical Criticism or 3 hrs

LIN 3010 Principles of Linguistics or 3 hrs

LIN 4105 History of the English Language or 3 hrs

LIN 4643 Cross Cultural Communication or 3 hrs

LIN 4660 Linguistics and Literature or 3 hrs

LIN 4680 Modern English Grammar or 3 hrs

LIN 4554 Advanced Feminist Theories or 3 hrs

Three additional upper level courses 9 hrs

■ AML, ENL, or LIT prefix

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- 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
- CRM 1020  Concepts in Chemistry  3 hrs
- ENC 1102  Composition II  3 hrs
- LIT 2110  World Literature I  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Sophomore Year - Fall
- BSC 1005  Biological Principles  3 hrs
- LIT 2120  World Literature II  3 hrs
- PSY 2012  General Psychology  3 hrs
- Restricted Elective  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Sophomore Year - Spring
- ENG 3014  Theories and Techniques of Literature  3 hrs
- AML 3031  American Literature I  3 hrs
- AML 3041  American Literature II  3 hrs
- Restricted Elective  3 hrs
- SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs

Senior Year - Fall
- ENL 4261  Literature of the South  3 hrs
- ENL 4333  Shakespeare Studies  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

Senior Year - Spring
- LIT 3333  Women in Literature  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.oes.ucf.edu/alcacademic_learning_compacts.htm

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
Email: english@ucf.edu
Dr. Patrick Murphy
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1 Any language course at this level is acceptable.
# UCF Degree Programs

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

### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

### B: Cultural & Historical Foundations (9 hrs)
- Select at least one of these post 1865
  - Literary History Requirement 9 hrs
    - Select 1: 3 hrs
    - Select 2: 3 hrs

### C: Mathematical Foundations (6 hrs)
- Math:
  - E: Science Foundations (6 hrs)
    - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
    - ENC 1101 Composition I GEP
    - ENC 1102 Composition II GEP

### 3. Core Requirements: Basic Level (6 hrs)
- Select 1: ENC 3241 Writing for the Technical Professional 3 hrs
- Select 1:
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - ENG 3014 Theories and Techniques of Literature Study or 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs

### 4. Core Requirements: Advanced Level (15 hrs)
- ENC 4280 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs
- LIT 4433 Literature of Science and Technology 3 hrs
- Select 1:
  - ENC 4215 Technical Publication and Project Management or 3 hrs
  - ENC 4218 The Visual in Technical Documentation 3 hrs

### Literary History Requirement (9 hrs)
- Choose three courses from these two groupings
  - Select at least one of these pre-1865 literature courses
    - AML 3031 American Literature I or 3 hrs
    - AML 3613 Narratives of Slavery or 3 hrs
    - AML 4304 Whitman and His Heirs or 3 hrs
    - ENL 2012 English Literature I or 3 hrs
    - ENL 4220 English Renaissance Poetry and Prose or 3 hrs
    - ENL 4230 18th Century Studies or 3 hrs
    - ENL 4240 English Romantic Writers or 3 hrs
    - ENL 4311 Chaucer or 3 hrs
    - ENL 4333 Shakespeare Studies or 3 hrs
    - ENL 4341 Milton and His Age or 3 hrs
    - LIT 4374 Literature of the Bible or 3 hrs
    - AML 3286 Early American Women’s Words or 3 hrs
    - AML 3640 Native American Literature or 3 hrs
    - ENL 3298 Gothic Literature 3 hrs
  - Select at least one of these post 1865 literature courses
    - AML 3041 American Literature II or 3 hrs
    - AML 3283 Contemporary American Women’s Fiction or 3 hrs
    - AML 3614 Topics in African-American Literature or 3 hrs
    - AML 3615 Harlem, Haiti, and Havana or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4153 American Poetry at Mid-Century or 3 hrs
    - AML 4155 Modern American Poetry or 3 hrs
    - AML 4261 Literature of the South or 3 hrs
    - AML 4265 Florida Writers or 3 hrs
    - AML 4321 Modern American Literature or 3 hrs
    - AML 4630 Latino/Latina Literature or 3 hrs
    - ENL 2022 English Literature II or 3 hrs
    - ENL 4101 English Novel or 3 hrs
    - ENL 4253 The Victorian Age: Poetry or 3 hrs
    - ENL 4262 Nineteenth Century British Prose or 3 hrs
    - ENL 4273 Modern British Literature or 3 hrs
    - LIT 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
    - AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
    - LIT 3823 Hispanic Women Writers 3 hrs

### 5. Restricted Electives (6 hrs)
- Select 2: 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

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.

#### Standardized examinations for foreign languages may be used to meet the requirement.

- With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor.
- Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
  - ENC 4263 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 5000 level English elective (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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oenas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/englished/

Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu, 407-823-2041
Dr. Janet Andreasen, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-3.066. 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)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required LIT 2110 World Literature I 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs

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

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PST 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- Prefer ANT 2511 The Human Species or SPC 1608 Fundamentals of Oral Communication 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- Select 1: 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- 1 EDF 2440 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

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements 21 hrs
- 1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 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

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Specialization Requirements 21 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs

Select 1:
- ENC 3311 Essay as Cultural Commentary or LIN 4105 History of the English Language or EDG 3101 Internship 3 hrs
- Select 2: 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, ESL 3060 Theory and Practice of Teaching ESOL and ESL 4464 Introduction to Adolescents Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and ESL 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/clincalexp/.

LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 3940 Internship 3 hrs

Internship II 12 hrs
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clincalexp/.
- 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.
- Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

LAE 4941 Internship 12 hrs

5. Restricted Electives
- 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 portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs
ENL 2012 English Literature I 3 hrs
AML 3031 American Literature I 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
Sophomore Year - Summer 6 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
ENL 2022 English Literature II 3 hrs

Junior Year - Fall 15 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Junior Year - Spring 15 hrs
AMN 3041 American Literature II 3 hrs
LAE 4361 Literacy Strategies for Middle and High School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Select 1: 3 hrs
ENC 3311 Essay as Cultural Commentary or LIN 4105 History of the English Language 3 hrs
Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

Junior Year - Summer 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Fall 12 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4346 Programs in Teaching Language and Composition 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
LAH 3940 Internship 3 hrs

Senior Year - Spring 12 hrs
LAE 4941 Internship 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/aal/academic_learning_compacts.htm

Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements

Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C.

Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
UCF Degree Programs

1 EGN 3331 Mechanics of Materials 3 hrs
1 EGN 3343 Thermodynamics 3 hrs
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Introduction to Environmental Engineering 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
1 STA 3032 Probability and Statistics for Engineers GEP
1 CWR 3201 Engineering Fluid Mechanics 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
EES 4111C Biological Process Control 3 hrs
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
CWR 4633C Water Resources Engineering II 3 hrs
1 ENV 4120 Air Pollution Control 3 hrs
1 ENV 4561 Environmental Engineering Operations & Processes I 3 hrs
1 ENV 4341 Solid & Hazardous Waste Management 3 hrs

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
    - ENV 4433C Environmental Engineering Wastewater Design or
    - 1 ENV 4122C Air Pollution Control Design or
    - 1 ENV 4302C Solid Waste Facility Design or
    - 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
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required 128

Honors in Major
- None

Related Programs
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The environmental engineering program offers the opportunity for exceptionally well-qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EGN 1006C Introduction to the Engineering Profession 3 hrs
1 BSC 1050 Biology and Environment 3 hrs
GEP 3 hrs

1 Biological Science Requirement for Major

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists 4 hrs
EGN 1007C Engineering Concepts and Methods 3 hrs
1 GEO 1200 Physical Geography 3 hrs

1 Earth Science Requirement for Major - also in GEP

Sophomore Year - Fall 16 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs

Sophomore Year - Spring 17 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs

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CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2049C Physics for Engineers and Scientists II 4 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
GEP 3 hrs

Sophomore Year - Summer 9 hrs
EGN 3343 Thermodynamics 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
ENV 4341 Solid & Hazardous Waste Management 3 hrs

Junior Year - Spring 14 hrs
GEP 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
ENV 4331 Environmental Engineering Operations & Processes I 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs

Senior Year - Fall 16 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
EES 4202C Chemical Process Control 4 hrs
CWR 4633C Water Resources Engineering II 3 hrs

Design Specialization 3 hrs
ENV 4433C Environmental Engineering Wastewater Design or
ENV 4122C Air Pollution Control Design or
ENV 4300C Solid Waste Facility Design or
ENV 4562C Environmental Engineering Water Treatment Design

Senior Year - Spring 12 hrs
EES 4111C Biological Process Control 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
CGN 4808C CECE Capstone Design 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $70 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
- None

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

Select 1: 3 hrs
Required PSY 2012 General Psychology or
Required SYG 2000 Introduction to Sociology or
Required ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
- 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
MAC 1105C College Algebra GEP
Select 1:
- STA 2023 Statistical Methods I or
- CGS 2100C Computer Fundamentals for Business GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (52 hrs)
Hospitality Management Core 24 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3868 History and Culture of Wine or 3 hrs
HFT 4375 Advanced Trade Show Management or 3 hrs
HFT 4795 Entertainment Arts and Events or 3 hrs
HFT 4736 Destination Management or 3 hrs
HFT 4561 Destination Marketing or 3 hrs
HFT 4796 International Events or 3 hrs
HFT 4794 Internship II 1 hr

Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

Event Management Core 25 hrs
FSS 2284C Food Preparation for Catered Events 4 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 3312 Event Promotion 3 hrs
HFT 3373 Event Design, Production & Technology 3 hrs
HFT 3319 Event Services 3 hrs
HFT 3523 Event Sales 3 hrs
HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)
Complete any six restricted Event 18 hrs
Management Electives
HFT 3741 Meeting Management or 3 hrs
HFT 4754 Exhibit and Trade Show Operations or 3 hrs
HFT 4795 Entertainment Arts and Events or 3 hrs
HFT 3798 Fairs and Festivals or 3 hrs
HFT 4561 Destination Marketing or 3 hrs
HFT 4736 Destination Management or 3 hrs
HFT 4796 International Events or 3 hrs
HFT 4375 Advanced Trade Show Management or 3 hrs
HFT 3888 History and Culture of Wine or 3 hrs
HFT 3357 Golf & Club Event Operations 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
- None

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## 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

## 9. Additional Requirements
- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

## 10. Required Minors
- None

## 11. Departmental Exit Requirements
- None

## 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required
- 120

## Honors In Major
- None

## Related Programs
- None

## Certificates
- None

## Related Minors
- None

## Advising Notes
- None

## Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses
- None

## Plan of Study

### Freshman Year - Fall
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- ENC 1101 Composition I 3 hrs
- CGS 2000C Computer Fundamentals for Business 3 hrs

### Select one course from the list
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

### Cult/Historical Foundation Course
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs

## Cultural Foundation Course
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

## Sophomore Year - Fall
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

## Science Foundation
- BSC 1005 Biological Principles or 3 hrs
- BSC 1050 Biology and Environment or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2511 The Human Species 3 hrs

## Sophomore Year - Spring
- HFT 3512 Event Promotion 3 hrs
- HFT 3519 Event Services 3 hrs
- 1 FSS 2284C Food Preparation for Catered Events 4 hrs

## Science Foundation II
- AST 2002 Astronomy or 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science 3 hrs

## Cultural Foundation Course
- FIL 1000 Cinema Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

### 1 Food Preparation for Catered Events 4 credit hours

## Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 2514 Lodging Operations 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3940 Internship I 1 hr
- HFT 3373 Event Design, Production & Technology 3 hrs

## Junior Year - Spring
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 4941 Internship II 1 hr
- HFT 3523 Event Sales 3 hrs

## Event Management Restricted Electives ***See list in catalog for 9hrs

### Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4944 Internship III 1 hr

## Event Management Restricted Elective ***See list in catalog for 3hrs

### University Free Electives 5 hours

### Senior Year - Spring
- HFT 4757 Event Management 3 hrs

## Event Management Restricted Electives ***See list in catalog for 6hrs

### University Free Electives 6 hours

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term
Film (B.F.A.)

College of Arts and Humanities

Department of Film,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu

Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements

- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer FIL 2030 - History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

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

1 May substitute a higher level math.

D: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- Select four courses from the following. Must complete 193 upper level credit hours.

3. Core Requirements: Basic Level (21 hrs)

- Lower level core requirements

4. Core Requirements: Advanced Level (36 hrs)

- Upper level core requirements

5. Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production / Direction

- FIL 3363C - Film Documentary 3 hrs
- DIG 4704 - Interactive Entertainment 3 hrs
- FIL 4472C - Cinematography II 3 hrs
- FIL 4535C - Sound Design for Film II 3 hrs
- FIL 4536 - Sound Design III 3 hrs
- FIL 4451 - Design for Film 3 hrs
- FIL 4487 - Directing for Film III 3 hrs
- FIL 4566C - Editing II 3 hrs

Screen Writing

- FIL 4103 - Adaptation 3 hrs
- FIL 4162C - Feature/TV Writing I 3 hrs
- FIL 4163C - Feature/TV Writing II 3 hrs
- FIL 4113C - Interactive Writing I 3 hrs
- FIL 4126C - Genre Writing 3 hrs
- FIL 4906 - Directed Independent Study 1 hr

Cinema Studies

- FIL 3808C - Images of Women in Film 3 hrs
- FIL 3831 - Black Cinema 3 hrs
- FIL 3851 - Avant-Garde Cinema 3 hrs
- FIL 3804C - Film Theory and Criticism II 3 hrs
- FIL 3841 - French New Wave Cinema 3 hrs
- FIL 3824 - Italian Neo-Realist Cinema 3 hrs
- FIL 3847 - Latin American Cinema 3 hrs
- FIL 3820 - Italian Film 3 hrs
- FIL 3822 - French Film 3 hrs
- FIL 3823 - German Film 3 hrs
- FIL 3826 - American Cinema 3 hrs
- FIL 3871 - The American Film Artist 3 hrs
- FIL 4436 - Film Theory/Film Production 3 hrs

Digital Cinema

- ART 2823 - Art as Interface 3 hrs
- ART 3618 - Post-Production Design 3 hrs
- COP 3502C - Computer Science I 3 hrs
- DIG 4855 - Converging Media Capstone 3 hrs
- DIG 3138C - Digital Imagery 3 hrs
- DIG 4780C - Modeling for Realtime Systems 3 hrs
- ENC 4415 - Digital Rhetorics and The Modern Dialectic 3 hrs
- DIG 3134 - Media Software Design 3 hrs
- MUC 3311 - MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)

- FIL 4434C - Capstone I 3 hrs
- FIL 4573C - Capstone II 3 hrs

7. Foreign Language Requirements

- Met by graduation requirement

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.
UCF Degree Programs

9. Additional Requirements
  - None

10. Required Minors
  - None

11. Departmental Exit Requirements
  - A student must maintain an overall average of a “B” (3.0) or better in major courses.
  - Department of Film requires an exit interview.

Computer Competency met by one of the following:
  - CGS 1060C Introduction to Computer Science or 3 hrs
  - FIL 2552 Editing I 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
  - None

Related Programs
  - Film - Cinema Studies 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
  - Courses taken at community colleges do not substitute for Upper Division courses.
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
  - FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
  - FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken

Plan of Study

Freshman Year - Summer
  - GEP

Sophomore Year - Fall
  - FIL 3115 Short Script I 3 hrs
  - FIL 3427C Introduction to Film Production 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - GEP 3 hrs
  - GEP 3 hrs

Sophomore Year - Spring
  - FIL 2480 Directing for Film I 3 hrs
  - FIL 2481 Directing the Actor for Film I 3 hrs
  - FIL 2552 Editing I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - GEP 3 hrs
  - GEP 3 hrs

Sophomore Year - Summer
  - GEP
  - GEP

Junior Year - Fall
  - DIG 2001 Introduction to Digital Media 3 hrs
  - FIL 2461 Cinematography I 3 hrs
  - FIL 3036 Film History I 3 hrs
  - FIL 3534 Sound Design for Film I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4486C Directing for Film II 3 hrs

Junior Year - Spring
  - FIL 3037 Film History II 3 hrs
  - FIL 3132 Short Script II 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4647 Film Production Management 3 hrs
  - FIL 4681 The Film Producer 3 hrs
  - FIL XXXX - Elective

Senior Year - Fall
  - FIL 4434C Capstone I 3 hrs
  - FIL XXXX - Elective
  - FIL XXXX - Elective

Senior Year - Spring
  - FIL 4573C Capstone II 3 hrs
  - FIL XXXX - Elective

Program Academic Learning Compacts
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
  - Part-Time Student: $45 per term
  - Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)

College of Arts and Humanities

Department of Film,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu

Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements
  - None

Degree Requirements
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Students are required to maintain an overall average of “C” (2.0) or better in major courses.
  - Film production/directing classes are not open to Cinema Studies majors.
  - Cinema Studies Track is not an entrance into the BFA Film Program.
  - Internship credit can be used in this major.
Students must consult with a departmental advisor each semester.

Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer one course from 1.B.1 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

1 May substitute a higher level math.

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.
- 1 FIL 2030 History of Motion Pictures GEP
- 1 FIL 1007 Foundations of Story 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- FIL 2107 Script Analysis 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3452C Cinematic Expression 3 hrs
- FIL 3353C Film Documentary 3 hrs
- FIL 3356 Film History I 3 hrs
- FIL 3357 Film History II 3 hrs
- FIL 3358 Avant-Garde Cinema 3 hrs
- FIL 3359C Film Theory and Criticism I 3 hrs
- FIL 3359C Film Theory and Criticism II 3 hrs
- FIL 3355 World Cinema Traditions 3 hrs
- FIL 3356 American Cinema 3 hrs
- FIL 4661 The Film Producer 3 hrs

Select 1:
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used
  - FIL 3830 Cinema Directors 3 hrs
  - FIL 3830C Images of Women in Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3834 French New Wave Cinema 3 hrs
  - FIL 3831 History of Animated Films I 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3842 International Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4436 Film Theory/Film Production 3 hrs
  - FIL 4906 Directed Independent Study 3 hrs
  - FIL 5612 Film and Internet Business 3 hrs

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages 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

10. Required Minors

11. Departmental Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Theatre
- Radio - Television
- English - Creative Writing
- Film

Certificates

None

Related Minors

Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes

None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### UCF Degree Programs

#### Acceptable Substitutes for Transfer Courses

#### Acceptable Substitutes for Common Program

#### Prerequisites

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must be taken first. FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken first.

#### Plan of Study

- **A minor is required.** This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

#### Freshman Year - Fall

- **ENC 1101** Composition I 3 hrs
- **FIL 1007** Foundations of Story 3 hrs
- **FIL 2030** History of Motion Pictures 3 hrs
- **Foreign Language I** 4 hrs

#### Freshman Year - Spring

- **ENC 1102** Composition II 3 hrs
- **FIL 1008** Cinematic Expression/Aesthetics 3 hrs
- **FIL 2107** Script Analysis 3 hrs
- **Foreign Language II** 4 hrs

#### Freshman Year - Summer

- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

#### Sophomore Year - Fall

- **FIL 2423** Foundations of Production 3 hrs
- **FIL 3006** Art of the Cinema 3 hrs
- **FIL 3038** Film History I 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

#### Sophomore Year - Spring

- **DIG 2000** Introduction to Digital Media 3 hrs
- **FIL 3037** Film History II 3 hrs

#### Take one of the following 3 hrs

- **FIL 3102** Writing for Film and TV or
- **FIL 3115** Short Script I
- **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 XXX - Elective** 3 hrs
- **GEP** 3 hrs
- **Minor** 3 hrs

#### Junior Year - Spring

- **FIL 3462C** Cinematic Expression 3 hrs
- **FIL 3804C** Film Theory and Criticism II 3 hrs
- **FIL 4661** The Film Producer 3 hrs
- **GEP** 3 hrs
- **Minor** 3 hrs

#### Senior Year - Fall

- **FIL 3826** American Cinema 3 hrs
- **FIL 3845** World Cinema Traditions 3 hrs
- **FIL XXX - Elective** 3 hrs
- **Minor** 6 hrs

#### Senior Year - Spring

- **FIL 3051** Avant-Garde Cinema 3 hrs
- **FIL XXX - Elective** 3 hrs
- **Minor** 6 hrs

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Finance (B.S.B.A.)

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

Students seeking advising must go to BA 2, Room 101.


Phone: 407-823-3575

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

#### Admission Requirements

- Completion of the UCF General Education Program and Golden Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

#### Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students in the finance major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a finance major. A student who is dropped may re-admit as a finance major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.
- Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - **FIN 3403C** Business Finance 4 hrs

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

**A: Communication Foundations** (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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**B: Cultural & Historical Foundations** (9 hrs)

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<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
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**C: Mathematical Foundations** (6 hrs)

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<th>Hours</th>
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</thead>
<tbody>
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<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
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</table>

**D: Social Foundations** (6 hrs)

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
1 Must be in the UCF Honors in the Major Program. See http://www.ufl.edu/ucf-caas/

3 hrs

4. Core Requirements: Advanced Level (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.
- AUC 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- GSG 2100C Computer Fundamentals for Business 3 hrs
- AUC 2021 Principles of Financial Accounting 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.

3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements
- Admissions:
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
- Graduation:
  - None
- Electives:
  - None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.
- AUC 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- GSG 2100C Computer Fundamentals for Business 3 hrs
- AUC 2021 Principles of Financial Accounting 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.

3 hrs

3. Core Requirements: Basic Level (32 hrs)
- First or subsequent semester in the College of Business Administration:
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3375 Introduction to International Business 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs
  - MAR 3203 Supply Chain and Operations Management 4 hrs
  - ECO 4412 Econometrics or 3 hrs
  - FIN 3461 Financial Statement Analysis or 3 hrs
  - FIN 4414 Finance: Investments or 3 hrs
  - FIN 4424 Finance: Corporate Finance or 3 hrs
  - FIN 4426 Finance: Banking or 3 hrs
  - FIN 4428 Finance: Finance: Banking or 3 hrs
  - FIN 4429 Finance: Credit and Risk Management or 3 hrs
  - FIN 4430 Finance: Investments or 3 hrs

Select 2: (6 hrs)
- FIN 4324 Advanced Topics in Financial Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management or 3 hrs

1 Required in 1st or 2nd semester.

5. Restricted Electives (6 hrs)
- Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

Select 2: (6 hrs)
- ECO 4412 Econometrics or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 4324 Commercial Banking Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management or 3 hrs
- FIN 4903C Business Finance 3 hrs

Select 2: (6 hrs)
- ECO 4412 Econometrics or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 4324 Commercial Banking Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management or 3 hrs
- FIN 4903C Business Finance 3 hrs

1 Must be completed with a “C” (2.0) or better.
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2033 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Art/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring 17 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN 4453 Financial Models 3 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Foreign Language Education - French (B.S.)
College of Education

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, 407-823-5430

Admission Requirements
- Complete the University General Education Program requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

E: Science Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
 1. EDF 2065 Introduction to Diversity for Educators 3 hrs
 2. EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
3. Core Requirements: Basic Level (6 hrs)
   EDF 2130 Child and Adolescent Development for Educators 3 hrs
   FRE 2201 Intermediate French Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level (69 hrs)
   Education Core Requirements 18 hrs
   - 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, EDF 4447, TSL 4080, RED 4043, Content Reading in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
   - Students must apply and be approved 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.
   - A minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - A 2.0 UCF GPA
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language.
   (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
### UCF Degree Programs

#### Advising Notes
- None

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- **Recommended Four Year Sequence of Courses**

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Summer</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
</tr>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
</tr>
</tbody>
</table>

Select 1: 
- STA 2014C | Principles of Statistics or | 3 hrs |
- STA 1063C | Basic Statistics Using Microsoft Excel | 3 hrs |

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
</tr>
<tr>
<td>FRE 2201</td>
<td>Intermediate French Language and Civilization II</td>
</tr>
</tbody>
</table>

Select 1: 
- ANT 2511 | The Human Species or | 3 hrs |
- BSC 1005 | Biological Principles | 3 hrs |

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
</tr>
<tr>
<td>FRE 3300</td>
<td>French Grammar</td>
</tr>
<tr>
<td>FRE 3420</td>
<td>French Composition</td>
</tr>
<tr>
<td>FRW 3100</td>
<td>Survey of French Literature I</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II</td>
</tr>
<tr>
<td>FRE 3760</td>
<td>Advanced French Oral Communication</td>
</tr>
<tr>
<td>FRE 3780</td>
<td>French Phonetics and Diction</td>
</tr>
<tr>
<td>FRE 4422</td>
<td>Advanced French Composition</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
</tr>
</tbody>
</table>

1 This course may be taken in the Fall of the senior year with consent of instructor.

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 3940</td>
<td>Internship</td>
</tr>
<tr>
<td>FRE 4421</td>
<td>Advanced French Conversation</td>
</tr>
<tr>
<td>Two upper division restricted electives (FRE/FRW 3/4XXX)</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship</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/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

#### Foreign Language Education - Spanish (B.S.)

#### College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

**Email:** kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

#### Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)
   - Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 | Composition I | 3 hrs |
     - Required ENC 1102 | Composition II | 3 hrs |
     - Prefer SPC 1608 | Fundamentals of Oral Communication | 3 hrs |
   - B: Cultural & Historical Foundations (9 hrs)
     - Prefer AMH 2010 | U.S. History: 1492-1877 | 3 hrs |
     - Prefer AMH 2020 | U.S. History: 1877-Present | 3 hrs |
     - Prefer PHI 2010 | Introduction to Philosophy | 3 hrs |
   - C: Mathematical Foundations (6 hrs)
     - Prefer MGF 1106 | Finite Mathematics | 3 hrs |
   - Select 1: (3 hrs)
     - Prefer STA 1063C | Basic Statistics Using Microsoft Excel | 3 hrs |
     - Prefer STA 2014C | Principles of Statistics | 3 hrs |
   - D: Social Foundations (6 hrs)
     - Prefer POS 2041 | American National Government | 3 hrs |
     - Prefer PSY 2012 | General Psychology | 3 hrs |
   - E: Science Foundations (6 hrs)
     - Prefer PSC 1121 | Physical Science | 3 hrs |
   - Select 1: (3 hrs)
     - Prefer ANT 2511 | The Human Species | 3 hrs |
     - Prefer BSC 1005 | Biological Principles | 3 hrs |
2. Common Program Prerequisites (CPP)  (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  (6 hrs)
Other Program Requirements  6 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level  (69 hrs)
Education Core Requirements  18 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EGD 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- 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 Required prior to Internship I
2 Community College transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I  3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed 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.
- 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 I 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.
- FLE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit
UCF Degree Programs

Total Semester Hours Required
- 120
- Honors In Major
- None
- Related Programs
- None
- Certificates
- None
- Related Minors
- None
- Advising Notes
- None
- Transfer Notes
- None
- Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPN 3344 Advanced Spanish Grammar and 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
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3344 Advanced Spanish Native Fluency I 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1: 3 hrs
- SPW 3100 Survey of Spanish Literature I or 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs

Select 1: 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year - Fall 12 hrs
- FLE 3940 Internship 3 hrs

Select 1: 3 hrs
- SPN 4110 Advanced Spanish Conversation or 3 hrs
- SPN 4211 Advanced Spanish Composition or 3 hrs
- SPN 4510 Spanish Civilization and Culture or 3 hrs
- SPN 4520 Latin American Civilization and Culture 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

Select 1: 3 hrs
- SPW 3130 Survey of Latin-American Literature I or 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs

Senior Year - Spring 12 hrs
- FLE 4941 Internship 12 hrs
- FLE 4942 Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Forensic Science - Analysis Track (B.S.)

College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
Email: chemistry@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required: STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
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.

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I 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

3. Core Requirements: Basic Level (18 hrs)
All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I 4 hrs

- or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

- and
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
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

Basic Core: Additional Requirements 18 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
PCB 3063 Genetics and 3 hrs
PCB 3233 Immunology 3 hrs

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
Select from the following: 12 hrs
Note: Substitutions require prior approval by the department.

ANT 4521 Forensic Anthropology 3 hrs
BCH 4053 Biochemistry 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
CHS 4547C Advanced Topics in Trace Analysis 3 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.

Achieve at least a minimum overall 2.5 GPA in all courses 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 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
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 taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Plan of Study

- **One of numerous possible plans of study.** See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- **Before registering for Chemistry,** take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

### UCF Degree Programs

#### 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.

#### 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) described in categories 2 and 3 prior to enrolling in the courses in categories 4 and 5.
- 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 (GEP)**
   - **Communication** (9 hrs)
     - **Prefer**
       - SPC 1603: Fundamentals of Technical Presentations
       - Required
       - ENC 1101: Composition I
     - **GEP**
       - 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - **Required**
     - MAC 2311: Calculus with Analytic Geometry I
     - STA 2023: Statistical Methods I
   - **GEP**
     - 3 hrs

   **C: Mathematical Foundations (7 hrs)**
   - **Required**
     - MAC 2312: Calculus with Analytic Geometry II
     - STA 2023: Statistical Methods I
   - **GEP**
     - 4 hrs

   **D: Social Foundations (6 hrs)**
   - **Required**
     - SPC 1603: Fundamentals of Technical Presentations
     - SPC 1603: Fundamentals of Technical Presentations
   - **GEP**
     - 4 hrs

   **E: Science Foundations (8 hrs)**
   - **Required**
     - PHY 2048C: Physics for Engineers & Scientists I
     - PHY 2048C: Physics for Engineers & Scientists I
   - **GEP**
     - 4 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   **Senior Year - Spring**
   - CHM 4130: Advanced Analytical Laboratory Technique 3 hrs
   - CHM 4130L: Advanced Analytical Chemistry Laboratory 2 hrs
   - SPC 1603: Fundamentals of Technical Presentations 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs

   **Senior Year - Summer**
   - CHS 4591: Forensic Science Internship 4 hrs

### Program Academic Learning Compacts

- **Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Forensic Science - Biochemistry Track (B.S.)

#### College of Sciences

**Department of Chemistry, Chemistry, Room: 306A**

[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)

**Email:** chemistry@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu

Phone: 407-823-1522

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic) described in categories 2 and 3 prior to enrolling in the courses in categories 4 and 5.
- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040</td>
<td>Chemistry Fundamentals IA</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</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>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4337</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>CHS 4506C</td>
<td>Forensic Investigation Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4515C</td>
<td>Forensic Crime Scene Investigation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
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
MAC 2311C Calculus with Analytic Geometry I and GEP
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
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  (20 hrs)
   - All courses specifically identified in the preceeding 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 and GEP/CPP
     - or
     CHM 2040  Chemistry Fundamentals IA and CPP
     CHM 2041  Chemistry Fundamentals IB and CPP
     - and
     CHM 2046  Chemistry Fundamentals II and CPP
     CHM 2046L Chemistry Fundamentals Laboratory and CPP
     BSC 2010C Biochemical Methods I and GEP/CPP
     MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
     MAC 2312 Calculus with Analytic Geometry II and CPP
     PHY 2048C Physics for Engineers & Scientists I and CPP
     PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements  20 hrs
CHM 2210  Organic Chemistry I and 3 hrs
CHM 2211  Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120  Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
STA 2023  Statistical Methods I and GEP
PCB 3063  Genetics and 3 hrs
PCB 3063L Genetics Laboratory and 1 hr
PCB 3233  Immunology and 3 hrs
PCB 3233L Immunology Laboratory and 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

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2, 3, 4 and 5 of the departmental degree requirements.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
   - 124

Honors In Major
   - None

Related Programs
   - Chemistry
   - Forensic Science - Analysis Track
   - Biomedical Sciences

Certificates
   - None

Related Minors
   - Chemistry
   - Biomedical Sciences

Advising Notes
   - None

Transfer Notes
   - Lower Division courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - CHM 2045C: may use CHM X040 plus CHM X041.
   - Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
   - Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   - Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
   - Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
   - This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall  16 hrs
   CHM 2040  Chemistry Fundamentals IA  3 hrs
   BSC 2010C  Biology I  4 hrs
   MAC 1140  Pre-Calculus Algebra  3 hrs
   ENC 1101  Composition I  3 hrs
   GEP  3 hrs

Freshman Year - Spring  16 hrs
   CHS 3501  Introduction to Forensic Science  3 hrs
   CHM 2041  Chemistry Fundamentals IB  3 hrs
   MAC 2311C  Calculus with Analytic Geometry I  4 hrs
UCF Degree Programs

STAE 2023  Statistical Methods I  3 hrs
ENC 1102  Composition II  3 hrs

Freshman Year - Summer  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall  14 hrs
CHM 2210  Organic Chemistry I  3 hrs
PHY 2048C  Physics for Engineers & Scientists I  4 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs
SPC 1603  Fundamentals of Technical Presentations  3 hrs

Sophomore Year - Spring  13 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
Lab may be taken in a later term if seats are not available.
MCB 3020C  General Microbiology  5 hrs
GEP 3 hrs

Sophomore Year - Summer  4 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Junior Year - Fall  13 hrs
CHS 3505C  Forensic Microscopy  4 hrs
CHS 4537  Forensic Laboratory Quality Assurance  2 hrs
PCB 3233  Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
GEP 3 hrs

Junior Year - Spring  14 hrs
CHS 3595  Forensic Science in the Courtroom  3 hrs
CHM 3120  Analytical Chemistry  3 hrs
CHM 3120L  Analytical Chemistry Laboratory  1 hr
PCB 3063  Genetics  3 hrs
PCB 3063L  Genetics Laboratory  1 hr
GEP 3 hrs

Senior Year - Fall  16 hrs
CHS 3533  Forensic Biochemistry I  2 hrs
CHS 3533L  Forensic Biochemistry I Laboratory  1 hr
BCN 4053  Biochemistry I  3 hrs
PCB 3522  Molecular Biology I  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
GEP 3 hrs

Senior Year - Spring  14 hrs
CHS 4534C  Forensic Biochemistry II  3 hrs
BCN 4054  Biochemistry II  3 hrs
BCN 4103L  Biochemical Methods  2 hrs
PCB 4524  Molecular Biology II  3 hrs
Restricted Elective  3 hrs

Senior Year - Summer  4 hrs
CHS 4591  Forensic Science Internship  4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

French (B.A.)

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency 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  3 hrs
   Suggested MGF 1107  Explorations in Mathematics  3 hrs

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

2. Social Foundations  (6 hrs)

D: Science Foundations  (6 hrs)

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (14 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   1 FRE 1120C  Elementary French Language and Civilization I  4 hrs
   1 FRE 1121C  Elementary French Language and Civilization II  4 hrs
   1 FRE 2200  Intermediate French Language and Civilization I  3 hrs
   1 FRE 2201  Intermediate French Language and Civilization II  3 hrs

1 *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level  (21 hrs)
   1 FRE 3300  French Grammar  3 hrs
   FRW 3101  Survey of French Literature I  3 hrs
   1 FRE 3780  French Phonetics and Diction  3 hrs
   FOL 3730  Romance Philology  3 hrs

Select 1:  3 hrs
   1 FRE 3420  French Composition or  3 hrs
   FRE 4422  Advanced French Composition  3 hrs

Select 1:  3 hrs
   1 FRE 3760  Advanced French Oral Communication or  3 hrs
   FRE 4421  Advanced French Conversation  3 hrs

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1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives
   (15 hrs)
   French literature beyond the survey level (taught in French)
   French courses

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Met by graduation requirements.
   Graduation
   Met by Common Program Prerequisites

8. Electives
   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division French courses.
    Students are required to satisfactorily complete a departmental exit exam.
    Students must submit their portfolio to their French Faculty Advisor.
    Computer Competency met by the following or equivalent:
    CGS 1060C  Introduction to Computer Science 3 hrs

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
120

Honors in Major
None

Related Programs
Spanish

Certificates
None

Related Minors
French
German
Italian
Judaic Studies
Latin American Area Studies
Spanish

Advising Notes
None

Transfer Notes
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

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Plan of Study

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Email: uss@bus.ucf.edu
Phone: 407-823-2184

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

Admission Requirements
Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
See Common Program Prerequisites

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
Students wanting to major in General Business must apply for admission to the major.
Final exams will be given during Exam Week.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
Students must have at least a 2.0 GPA in the major and COB.
Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 average in the major

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

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UCF Degree Programs

Select one of the following sequences of courses:

- Students must receive a “C” (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or
- MAC 2233 Concepts of Calculus and 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (32 hrs)

Core Classes 32 hrs

First or subsequent semester in the College of Business Administration:

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

5. Restricted Electives (12 hrs)

- Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
- Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.
- Economics: Must Select 3 hrs
  - ECP 4703 is required.
  - ECP 4703 Managerial Economics 3 hrs
- Finance: Select One 3 hrs
  - FIN 3303 Financial Markets or 3 hrs
  - FIN 3414 Intermediate Corporate Finance or 3 hrs
  - FIN 3504 Investment Analysis 3 hrs
- Management: Select One 3 hrs
  - GEB 3113 How to Start a Business or 3 hrs
  - MAN 3301 Management of Human Resources or 3 hrs
  - MAN 4240 Organizations: Theory and Behavior or 3 hrs
  - MAN 4441 Conflict Resolution and Negotiation 3 hrs
- Marketing: Select One 3 hrs
  - MAR 4031 Sales Force Management or 3 hrs
  - MAR 3613 Marketing Analysis and Research or 3 hrs
  - MAR 4156 International Marketing or 3 hrs
  - MAR 4841 Services Marketing 3 hrs

8. Electives

- General electives as required to reach 120 semester hours.

9. Additional Requirements

- Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.
- Students in the General Business major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major.
- Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as a General Business major.
- A student who is dropped may seek remittance as a General Business major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of 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 Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- **1** SPC 1608 Fundamentals of Oral Communication 3 hrs
- **1** Must complete nine hours in a summer term.

#### Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

#### Sophomore Year - Fall
- **1** ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- **1, 2** Must complete nine hours in a summer term.

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

#### Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- **1** GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- **2** GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- **1** Required in 1st or 2nd semester
- **2** Must be taken with GEB 3031

#### Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3203 Marketing 4 hrs

#### Senior Year - Fall
- **1** GEB 3375 Introduction to International Business 4 hrs
- **1** Students take 3 restrictive electives from approved list described above
- **2** General electives as required to reach 120 semester hours.

#### Senior Year - Spring
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs

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### 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](http://www.cohpa.ucf.edu/hmi/bshim.cfm)

Dr. Alice M. Noblin, anoblin@ucf.edu

Phone: 407-823-2353

**Admission Requirements**

- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission, 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 into the University of Central Florida/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program.
- UCF Residency Requirement: 30 hours

1. **UCF General Education Program (GEP)** (37 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Suggested MAC 1105C College Algebra 3 hrs
     - Suggested STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
   - Suggested BSC 2010C Biology I 4 hrs
     - Suggested CHM 1032 General Chemistry 3 hrs
   - E: Science Foundations (7 hrs)

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**Transfer 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.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Acceptable Substitutes for Transfer Courses
  - ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

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**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

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**Part-Time Student: $15 per term**

**Full-Time Student: $30 per term**
UCF Degree Programs

2. Common Program Prerequisites (CPP) (17 hrs)

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

1. ZOO Human Anatomy 4 hrs
2. PCB 3703C Human Physiology 4 hrs
3. STA 2014C Principles of Statistics GEP
   1 CGS Computer Fundamentals for Business 3 hrs
4. ACG 2071 Principles of Managerial Accounting 3 hrs
5. ACG 2021 Principles of Financial Accounting 3 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (66 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 3 hrs
HSC 4558 Pathophysiology II 3 hrs
HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
HIM 3116C Health Record Organization and Management 3 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
HIM 4226C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4567 Professional Development and Issues in Health Information Management 3 hrs
HIM 4344C Health Information Department Management 3 hrs
HIM 4508C Quality Management 3 hrs
HIM 4566C Health Information Management Systems 3 hrs
HIM 4938 Management Affiliation 5 hrs

Select 1:
- HSA 4180 Organization & Management for Health Agencies I or X086 3 hrs
- MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major

- None

Related Programs

- Health Services Administration
- Business Administration
- Computer Science

Certificates

- None

Related Minors

- Health Services Administration
- Business
- Computer Science

Advising Notes

- None

Transfer Notes

- Community College 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 14 hrs
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs

Select 1:
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs

Select 1:
- EJH 2000 Western Civilization I or HUM 2210 Humanistic Tradition I or AMH 3010 U.S. History: 1492-1877 3 hrs

Select 1:
- POS 2041 American National Government or ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall 13 hrs
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1:
- EJH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 3020 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring 13 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or MUL 2100 Enjoyment of Music or THE 2000 Theatre Survey or REL 2300 World Religions or PHI 2101 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Fall
1 HSA 4191 Health Care Automation 3 hrs
HIM 3006 Foundations of Health Information 3 hrs
1 HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 3 hrs
Select 1: 3 hrs
1 MAN 3025 Management of Organizations or 4hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs 1

The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Junior Year - Spring
15 hrs
HIM 4226C Coding Procedures I 5 hrs
HIM 3116C Health Record Organization and Management 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HSC 4558 Pathophysiology II 3 hrs

Junior Year - Summer
6 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs

Senior Year - Fall
13 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4656C Health Information Management Systems 3 hrs

Senior Year - Spring
12 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
1 HSA 4702 Health Sciences Research Methods 3 hrs
1 HSA 3170 Health Care Finance 3 hrs

The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer
5 hrs
HIM 4838 Management Affiliation 5 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15.00 per term
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 118
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pccinfo@ucf.edu, 407-823-2747

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

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)
A: Communication Foundations (9 hrs)
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
1 Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
Required PSY 2012 General Psychology 3 hrs

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

Select 1: 3 hrs
Required STA 2014C Principles of Statistics or 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

D: Social Foundations (6 hrs)
Required PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required PHY 2053C College Physics I 4 hrs

3. Core Requirements: Basic Level (20 hrs)
1 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 2002 Modern Concepts in Nutrition 3 hrs
PHY 2053C College Physics I GEP
PHY 2054C College Physics II 4 hrs

Select 1: 2 hrs
2 HSC 2000 Introduction to the Allied Health Professions or 2 hrs
HSC 4008 Professional Development in Health Professions 3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
2 For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
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<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3211</td>
<td>Preventive Health Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4558</td>
<td>Pathophysiology II</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2205</td>
<td>Introduction to Organic and Biochemistry</td>
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<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
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<td>CHM 2211</td>
<td>Organic Chemistry II</td>
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<tr>
<td>CHM 2211L1</td>
<td>Organic Laboratory Techniques I</td>
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<td>HSA 3721L1</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
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<td>HSC 3110</td>
<td>Medical Self Assessment</td>
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<td>HSC 3537</td>
<td>Medical Terminology</td>
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<td>HSC 3559</td>
<td>Disabilities in American Society</td>
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<tr>
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<td>HIV Disease: A Human Concern</td>
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<td>HSC 3432</td>
<td>Occupational Safety for the Health Care</td>
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<td>HSC 4008</td>
<td>Professional Development in Health Professions</td>
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<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
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<td>HSC 4572</td>
<td>Clinical Nutrition</td>
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<td>HSC 4750</td>
<td>Applied Health Research Methodology</td>
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<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
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<td>MCB 3020C</td>
<td>General Microbiology</td>
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<td>MCB 4503C</td>
<td>Virology</td>
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<td>PCB 3063</td>
<td>Genetics</td>
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<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
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<tr>
<td>PCB 3233</td>
<td>Immunology</td>
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<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
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<td>PCB 4805</td>
<td>Endocrinology</td>
<td>3 hrs</td>
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<tr>
<td>ATR 3203C</td>
<td>Upper Extremity Function and Measurement</td>
<td>3 hrs</td>
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<td>ATR 3204C</td>
<td>Lower Extremity Function and Measurement</td>
<td>3 hrs</td>
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<td>ATR 3312C</td>
<td>Injury, Management, and Rehabilitation</td>
<td>3 hrs</td>
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<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
<td>3 hrs</td>
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<td>SYO 4400</td>
<td>Medical Sociology</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 4743C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Human Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

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

#### 8. Electives

- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

---

**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 a Florida public community college Associate of Arts Degree is strongly recommended.
- Students who transfer an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college 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.

---

**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

---

**Certificates**

- None

**Honors in Major**

- Interested students should consult with a faculty advisor.

---

**Required Minors**

- Biology
- Business
- Applied Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

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**Related Programs**

- Biology
- Athletic Training
### 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 1020 and BSC 1020L).
- 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).

### Plan of Study

#### Freshman Year - Fall
- BSC 2010C Biology I 4 hrs
- MAC 1150C College Algebra 3 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- PHY 1053C College Physics I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

#### Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

#### Sophomore Year - Fall
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C Developmental Psychology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

#### Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- AMH 2110 U.S. History: 1492-1877 or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

#### Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- HUN 2002 Modern Concepts in Nutrition 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- MAC 1114C College Trigonometry 3 hrs

#### Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- EUH 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

#### Junior Year - Fall
- PHY 2053C College Physics I 4 hrs
- HSC 4556 Pathophysiology I 3 hrs
- Restricted Elective 3 hrs

#### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

#### Senior Year - Fall
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Health Services Administration (B.S.)
**Department of Health Management and Informatics, Health and Public Affairs II, Room: 210**

**http://www.cohpa.ucf.edu/hmi/**

**Email:** hsainfo@ucf.edu

Dr. Bernardo Ramirez, Undergraduate Program Director  
Dr. Jennifer Sumner, Director of Internship Programs  
Dr. Myron Fottler, Exec. Director of HSA Programs

**Phone:** 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit [http://learn.ucf.edu](http://learn.ucf.edu). Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home).

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours

**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)
Suggested MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 1060C Introduction to Computer Science or
Suggested CGS 2100C Computer Fundamentals for Business
D: Social Foundations (6 hrs)
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
Prefer PSY 2012 General Psychology or
Prefer SYG 2000 Introduction to Sociology 3 hrs
E: Science Foundations (6 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: 3 hrs
□ CGS 2100C Computer Fundamentals for Business or
□ CGS 1060C Introduction to Computer Science 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 3111 U.S. Health Care Systems 3 hrs
□ HSA 3170 Health Care Finance 3 hrs
□ HSA 3222 Long Term Care and Administration 3 hrs
□ HSA 3430 Health Care Economics 3 hrs
□ HSA 4109 Principles of Managed Care 3 hrs
□ HSC 4201 Community Health 3 hrs
□ HSA 4180 Organization & Management for Health Agencies I 3 hrs
□ HIM 4508C Quality Management 3 hrs
□ HSA 4702 Health Sciences Research Methods 3 hrs
□ HSC 3537 Medical Terminology 3 hrs
□ HSC 4500 Epidemiology 3 hrs
□ HSC 4564 Health Care Needs of the Elderly 3 hrs
□ HSC 4592 Health Law and Ethics 3 hrs
□ HSA 4184 Organization & Management for Health Agencies II 3 hrs
□ HSA 4191 Health Care Automation 3 hrs
□ HSA 4850 Health Services Administration Internship 3 hrs
5. Restricted Electives
□ None
6. Capstone Requirements (3 hrs)
□ HSA 4939 Health Services Administration Capstone 3 hrs
7. Foreign Language Requirements Admissions
□ Two years of one foreign language in high school, or
□ one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
□ Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
8. Electives
□ Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.
9. Additional Requirements
□ As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.
10. Required Minors
□ None
11. Departmental Exit Requirements
□ Students who transfer with an AA degree from a Florida college or university do not have to meet Eligibility Requirements.
□ Students who transfer with an AA degree from a Florida college or university do not have to meet Eligibility Requirements.
□ Students who transfer with an AA degree from a Florida college or university do not have to meet Eligibility Requirements.
12. University Minimum Exit Requirements
□ A 2.0 UCF GPA
□ 60 semester hours earned after CLEP awarded
□ 48 semester hours of upper division credit completed
□ 30 of the last 39 hours of course work must be completed in residency at UCF
□ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
□ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit
Total Semester Hours Required 120
Honors in Major
□ Interested students should consult with a faculty advisor.
Related Programs
□ Health Informatics and Information Management
□ Certificates
□ Aging Studies
Related Minors
□ Aging Studies
□ Health Sciences
□ Public Administration
Advising Notes
□ Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
□ A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
□ Students will be assigned a faculty member for the purpose of career advising.
Transfer Notes
□ None
Acceptable Substitutes for Transfer Courses
□ None
Plan of Study
Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105C College Algebra 3 hrs
Free Elective 3 hrs
<table>
<thead>
<tr>
<th>Program Academic Learning Compacts</th>
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<tbody>
<tr>
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<td><a href="http://www.oes.ucf.edu/alc/academic_learning_compacts.htm">http://www.oes.ucf.edu/alc/academic_learning_compacts.htm</a></td>
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**History (B.A.)**

**College of Arts and Humanities**

**Department of History, Colbourn Hall, Room: 551**

[http://history.cah.ucf.edu/](http://history.cah.ucf.edu/)

**Email:** history@ucf.edu  
Dr. John Sacher, Interim Chair  
Phone: 407-823-2225

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
  - Required AMH 2010 U.S. History: 1492-1877 3 hrs
  - Required AMH 2020 U.S. History: 1877-Present 3 hrs
  - Select one course from 1.B.1 list 3 hrs

- **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)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- AMH 2010 U.S. History: 1492-1877 GEP
- AMH 2020 U.S. History: 1877-Present GEP

#### 3. Core Requirements: Basic Level (6 hrs)
- Select one of the following sequences of courses:
  - **Select one sequence**
    - EUH 2000 Western Civilization I and 3 hrs
    - EUH 2001 Western Civilization II 3 hrs
  - or
    - WOH 2012 World Civilization I and 3 hrs
    - WOH 2022 World Civilization II 3 hrs

#### 4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

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**Select 1:**
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1:**
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

**Junior Year - Spring**
- 3 hrs

**Select 1:**
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2000 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**
- 15 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - AGG 2021 Principles of Financial Accounting 3 hrs

**Select 1:**
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs

**Sophomore Year - Spring**
- 12 hrs
  - AGO 2071 Principles of Managerial Accounting 3 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - Elective / Minor 3 hrs

**Select 1:**
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II or 3 hrs

**Sophomore Year - Summer**
- 8 hrs
  - Elective / Minor 3 hrs
  - 1 Foreign Language 4 hrs

**Select 1:**
- Elective / Minor 3 hrs
- 1 Foreign Language 4 hrs

**Junior Year - Fall**
- 15 hrs
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - HSC 3537 Medical Terminology 3 hrs
  - HSC 4201 Community Health 3 hrs
  - HSA 3222 Long Term Care and Administration 3 hrs
  - Elective / Minor 3 hrs

**Junior Year - Spring**
- 15 hrs
  - HSA 3170 Health Care Finance 3 hrs
  - HSC 4500 Epidemiology 3 hrs
  - HSA 4180 Organization & Management for Health Agencies I 3 hrs
  - HSA 4191 Health Care Automation 3 hrs
  - Elective / Minor 3 hrs

**Senior Year - Fall**
- 15 hrs
  - HSA 3430 Health Care Economics 3 hrs
  - HSA 4184 Organization & Management for Health Agencies II 3 hrs
  - HIM 4508C Quality Management 3 hrs
  - HSA 4702 Health Sciences Research Methods 3 hrs
  - Elective / Minor 3 hrs

**Senior Year - Spring**
- 15 hrs
  - HSA 4109 Principles of Managed Care 3 hrs
  - HSC 4564 Health Care Needs of the Elderly 3 hrs
  - HSC 4652 Health Law and Ethics 3 hrs
  - HSA 4939 Health Services Administration Capstone 3 hrs
  - HSA 4850 Health Services Administration Internship 1 hr
UCF Degree Programs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)
Select six hours of approved history courses 18 hrs
within three of four geographic regions
- Asian, African, and Middle Eastern or 6 hrs
- British and European or 6 hrs
- Latin American or 6 hrs
- U.S. and Canadian 6 hrs
- Select three hours of approved history courses

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction
  in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation.
  The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities
Certificates
- None

Related Minors
- African - American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women’s Studies
- American Studies
- Middle Eastern Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1. AMH 2010 U.S. History: 1492-1877 3 hrs
   may be substituted with:
2. AMH 2020 U.S. History: 1877-Present 3 hrs
   may be substituted with:

- AMH 2010 is a prerequisite for subsequent American History courses.
- AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring 15 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall 16 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
GEP 3 hrs
Core Course 3 hrs
GEO 1090C Introduction to Computer Science 3 hrs
GEP 3 hrs

Sophomore Year - Spring 16 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Core Course 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
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
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 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.oias.ucf.edu/alcacademic_learning_compacts.htm
Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 1105C College Algebra 3 hrs
     - Required STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
     - Required ECO 2013 Principles of Macroeconomics 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: 3 hrs
     - Required CGS 2100C Computer Fundamentals for Business or
     - Required STA 2023 Statistical Methods I 3 hrs
   - E: Science Foundations (6 hrs)
     - Select 1: 3 hrs
     - Required PSY 2000 Introduction to Sociology or
     - Required ANT 2000 General Anthropology 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (34 hrs)
   - Hospitality Management Core (34 hrs)
     - FSS 2211C Techniques of Food Preparation 4 hrs
     - HFT 3450 Guest Services Management I 3 hrs
     - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
     - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
     - HFT 2500 Hospitality and Tourism Marketing 3 hrs
     - HFT 2220 Hospitality Human Resources Management 3 hrs
     - HFT 3444 Hospitality Information Systems 3 hrs
     - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
     - HFT 4464 Hospitality Industry Finance 3 hrs
     - HFT 4286 Hospitality Communications 3 hrs
     - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
   - Quantitative Tools
     - MAC 1105C College Algebra GEP
     - Required CGS 2100C Computer Fundamentals for Business or
     - Required STA 2023 Statistical Methods I GEP
   - Select 1:
     - Required ECO 2013 Principles of Macroeconomics or
     - Required ECO 2023 Principles of Microeconomics GEP
   - Select 1:
     - Required PSY 2000 Introduction to Sociology or
     - Required ANT 2000 General Anthropology GEP

4. Core Requirements: Advanced Level (21 hrs)
   - Sectoral Core (Choose 6 of the Following) (18 hrs)
     - Select 6: 18 hrs
       - HFT 2254 Lodging Operations or 3 hrs
       - HFT 3700 Tourism Management or 3 hrs
       - HFT 2750 The Event Industry or 3 hrs
       - HFT 3263 Restaurant Management or 3 hrs
   - Internships (15 hrs)
     - HFT 3940 Internship I 1 hr
     - HFT 4941 Internship II 1 hr
     - HFT 4944 Internship III 1 hr
   - Select 6: 18 hrs
     - HFT 3273 Principles of Resort Timesharing or 3 hrs
     - HFT 4755 Theme Park and Attraction Management or 3 hrs
     - HFT 4277 Yacht, Country, And City Club Management 3 hrs
   - Restricted Electives (15 hrs)
     - Students must select one of the following options to fulfill their hospitality management restricted elective requirement.
   - Required Electives 15 hrs
     - Students must take 15 credit hours (five courses) from the following:
     - FSS 3008 Culture and Cuisine 3 hrs
     - FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs
     - FSS 4286C Catering and Banquet Organization 3 hrs
     - HFT 3353 Golf Planning & Operations I 3 hrs
     - HFT 3354 Agronomy for Golf Course Management 3 hrs
     - HFT 3355 Golf Planning & Operations II 3 hrs
     - HFT 3357 Golf & Club Event Operations 3 hrs
     - HFT 3384 Golf and Club Enterprises Management 3 hrs
     - HFT 3654 Franchising in the Restaurant Industry 3 hrs
     - HFT 3741 Meeting Management 3 hrs
     - HFT 3798 Fairs and Festivals 3 hrs
     - HFT 3868 History and Culture of Wine 3 hrs
     - HFT 4253 Hotel Operations 3 hrs
     - HFT 4266 Restaurant Brand Management 3 hrs
     - HFT 4268 Case Studies in Restaurant Management 3 hrs
     - HFT 4274 Resort Management 3 hrs
     - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
     - HFT 4343 Hospitality Facilities Planning and Design 3 hrs
     - HFT 4358 Golf & Club Facility Design 3 hrs
     - HFT 4432 Hospitality Industry Auditing 3 hrs
     - HFT 4473 Hotel Development Analysis 3 hrs
     - HFT 4522 Resort Sales Tactics and Strategies 3 hrs
     - HFT 4532 Managing the Employee Experience in the Industry 3 hrs
     - HFT 4561 Destination Marketing 3 hrs
     - HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
     - HFT 4735 Tourism Geography 3 hrs
     - HFT 4736 Destination Management 3 hrs
     - HFT 4754 Exhibit and Trade Show Operations 3 hrs
     - HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
     - HFT 4762 Current Practices in the Airline Industry 3 hrs
     - HFT 4768 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
     - HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
     - HFT 4795 Entertainment Arts and Events 3 hrs
     - HFT 4796 International Events 3 hrs
     - HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
     - HFT 4866C Exploring Wines of the World 3 hrs
     - HFT 4894 International Gastronomy 3 hrs
     - HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
■ Or Students must complete one of the following
   - Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

   - Theme Park and Attraction Management Track 15 hrs
     - HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
     - HFT 4614 Risk Management in Theme Parks and Attractions or
     - HFT 4759 Product Development in Theme Parks and Attractions or
     - HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or
UCF Degree Programs

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 12 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select 1: 3 hrs
- GSS 2100C Computer Fundamentals for Business or
- STA 2023 Statistical Methods I

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
HFT 2500 Hospitality and Tourism Marketing 3 hrs
ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Microeconomics
- ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
- HFT 2254 Lodging Operations or
- HFT 2750 The Event Industry

Sophomore Year - Spring 13 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
ANT 2511 The Human Species 3 hrs

Junior Year - Fall 14 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 4941 Internship II 1 hr

Select 4: 12 hrs
- HFT 2750 The Event Industry or
- HFT 2254 Lodging Operations or
- HFT 3700 Tourism Management or
- HFT 3263 Restaurant Management or
- HFT 3273 Principles of Resort Timesharing or
- HFT 4755 Theme Park and Attractions Management or
- HFT 4277 Yacht, Country, and City Club Management

Senior Year - Fall 15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4454 Hospitality Industry Finance 3 hrs
HFT 4944 Internship III 1 hr

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the 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

HFT 4787 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Golf and Club Management Track 15 hrs
HFT 3353 Golf Planning & Operations I or 3 hrs
HFT 3354 Agronomy for Golf Course Management or 3 hrs
HFT 3355 Golf Planning & Operations II or 3 hrs
HFT 3357 Golf & Club Event Operations or 3 hrs
HFT 3394 Golf and Club Enterprises Management or 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs

Select 1: 3 hrs
- GSS 2100C Computer Fundamentals for Business
- STA 2023 Statistical Methods I

Select 1: 3 hrs
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology or
- ANT 2000 General Anthropology

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105 College Algebra 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Microeconomics
- ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
- HFT 2254 Lodging Operations or
- HFT 2750 The Event Industry

Sophomore Year - Spring 13 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
ANT 2511 The Human Species 3 hrs

Junior Year - Fall 14 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 4941 Internship II 1 hr

Select 4: 12 hrs
- HFT 2750 The Event Industry or
- HFT 2254 Lodging Operations or
- HFT 3700 Tourism Management or
- HFT 3263 Restaurant Management or
- HFT 3273 Principles of Resort Timesharing or
- HFT 4755 Theme Park and Attractions Management or
- HFT 4277 Yacht, Country, and City Club Management

Senior Year - Fall 15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4454 Hospitality Industry Finance 3 hrs
HFT 4944 Internship III 1 hr

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term
Humanities (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert
Dr. Shelley Park
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

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

A: Communication Foundations (9 hrs)
Suggested: HUM 2210 Humanistic Tradition I
Suggested: HUM 2230 Humanistic Tradition II
Select 1:
- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions

B: Cultural & Historical Foundations (9 hrs)
Suggested: HUM 2240 Humanistic Tradition III
Select 1:
- PHI 3033 Philosophy, Religion, and the Environment or
- HUM 3417 Hindu Thought and Culture or
- PHI 3638 Ethical Issues in the 21st Century

C: Mathematical Foundations (6 hrs)
Suggested: MGF 1107 Explorations in Mathematics
Suggested: MGF 1106 Finite Mathematics or
MATH 1030 Math for Liberal Arts

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (6 hrs)
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
HUM 2020 Encountering the Humanities
HUM 4933 Senior Research Seminar

4. Core Requirements: Advanced Level (24 hrs)
- Concentrations (choose one):
- Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs

Western Traditions and Applications 9 hrs
ARH 4310 Italian Renaissance Art or
ARH 4170 Greek & Roman Art or
HUM 3552 Christian Thought or
HUM 3553 Moses, Jesus and Muhammad or
CLT 3370 Classical Mythology or
CLT 3378 Comparative Mythology or
JST 3401 Jewish People in Antiquity or
REL 3432 Roots of Western Mysticism or

1 PHH 3100 Ancient Philosophy or
1 PHH 3200 Medieval Philosophy or
1 PHH 3460 Modern Western Philosophy

World Intellectual Traditions 6 hrs
ANT 3245 Native American Religions or
HUM 3401 Asian Humanities or
HUM 3417 Hindu Thought and Culture or
HUM 3419 Islamic Thought and Culture or
HUM 3460 Latin American Humanities or
HUM 4303 The Spiritual Ideal or
HUM 4554 Religious Quest and Human Dilemma or
PHI 3790 African Philosophy or
PHP 3781 African-American Philosophy or
REL 3340 Buddhist Thought

Foundations 3 hrs
HUM 4301 The Classical Ideal

Select 2: 6 hrs
HUM 3431 Ancient Humanities or
HUM 3435 Medieval Humanities or
HUM 3255 Modern Humanities

1 Only one of these courses may be taken.

Multicultural Humanities 24 hrs

Traditions and Applications 15 hrs
ANT 3311 Indians of the Southeastern United States or
ARH 3520 African Art or
HUM 3401 Asian Humanities or
HUM 3417 Hindu Thought and Culture or
HUM 3419 Islamic Thought and Culture or
HUM 3553 Moses, Jesus and Muhammad or
HUM 3460 Latin American Humanities or
JST 3401 Jewish People in Antiquity or
PHI 3701 Native American Philosophy or
PHM 3123 Feminist Theories or
PHI 3790 African Philosophy or
HUM 4823 Queer Theory in the Humanities

Foundations 3 hrs
HUM 3320 Contemporary Multicultural Studies

Select 1: 3 hrs
HUM 3431 Ancient Humanities or
HUM 3435 Medieval Humanities or
HUM 3255 Modern Humanities

Select 1: 3 hrs
HUM 3252 Contemporary Humanities or
HUM 3255 Modern Humanities

Critical Humanities 24 hrs

Foundations 9 hrs
HUM 3255 Modern Humanities and
HUM 3252 Contemporary Humanities and
PHI 4804 Critical Theory

Traditions and Applications 15 hrs
HUM 4330 Performance Theory or
HUM 4554 Religious Quest and Human Dilemma or
HUM 3394 Representations of Place and Space or
PHH 3510 Marx and Nietzsche or
PHI 3638 Ethical Issues in the 21st Century or
PHI 3033 Philosophy, Religion, and the Environment or
PHM 3022 Sexuality, Gender & Philosophy or
PHM 3123 Feminist Theories or
PHP 3786 Existentialism or
PHP 4782 Phenomenology or
REL 3111 Religion and Philosophy Through Film or
REL 3115 Religion, Spirituality, and Popular Music or
HUM 4823 Queer Theory in the Humanities

5. Restricted Electives (3 hrs)
- Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

Select 1: 3 hrs
HUM 4303 The Spiritual Ideal or
PHI 3700 Philosophy of Religion or
PHI 3800 Aesthetics or
Or other courses as approved by advisor

UCF Degree Programs
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major (33 hrs)
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are as follows:

Honors Thesis
- HUM 4903H Honors Directed Reading I 3 hrs
- HUM 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Core and Elective Requirements (33 hrs)
- Same requirements as for regular majors.

Related Programs
- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>16 hrs</td>
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<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2210  Humanistic Tradition I</td>
<td>3 hrs</td>
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<tr>
<td>MGF 1106  Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2020  Encountering the Humanities</td>
<td>3 hrs</td>
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<tr>
<td>Foreign Language</td>
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<td><strong>Sophomore Year - Fall</strong></td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<td><strong>Junior Year - Fall</strong></td>
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<td>Restricted Elective</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>
<td>Supporting Elective</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>HUM 4933  Senior Research Seminar</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</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/alc/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student:

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Suggested HUM 2210 Humanistic Tradition I 3 hrs
   - Suggested HUM 2230 Humanistic Tradition II 3 hrs
   Select 1: 3 hrs
   - Suggested REL 2300 World Religions or 3 hrs
   - Suggested PHI 2010 Introduction to Philosophy 3 hrs
   B: Cultural & Historical Foundations
   - Suggested HUM 2210 Humanistic Tradition I 3 hrs
   - Suggested HUM 2230 Humanistic Tradition II 3 hrs
   C: Mathematical Foundations
   - 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

D: Social Foundations
- (6 hrs)

E: Science Foundations
- (6 hrs)

2. Common Program Prerequisites (CPP) 
- None

3. Core Requirements: Basic Level
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level
   (18 hrs)

Core Requirements

Theoretical Foundations
   PHI 3684 Ways of Living and 3 hrs
   PHI 4341 Ways of Knowing 3 hrs

Philosophy
   PHI 3670 Ethical Theory or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 4804 Critical Theory or 3 hrs
   PHI 4300 Theories of Knowledge or 3 hrs
   PHI 2108 Critical Thinking or 3 hrs

Religion
   CLT 3378 Comparative Mythology or 3 hrs
   HUM 3552 Christian Thought or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 4303 The Spiritual Ideal or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies
- (12 hrs)

Contemporary Media
   - HUM 3320 Contemporary Multicultural Studies or 3 hrs
   - HUM 4566 Religion and the Arts or 3 hrs
   - HUM 4330 Performance Theory or 3 hrs
   - PHI 3625 Virtual Ethics or 3 hrs
   - PHI 4931 Philosophy in the News or 3 hrs
   - POS 3235 Mass Media and Politics or 3 hrs
   - POS 3258 Politics in Film or 3 hrs
   - REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
   - REL 3111 Religion and Philosophy Through Film or 3 hrs
   - SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life
- (6 hrs)

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Departmental Exit Exam in final semester.
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

- Computer Competency met by one of the following:
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
  a. Core Requirements, Popular Culture and Capstone
     - Same requirements as for regular majors
  b. Honors Thesis
     - 6 hrs
     - HUM 4903H Honors Directed Reading I 3 hrs
     - HUM 4970H Undergraduate Honors Thesis 3 hrs
  c. Additional Requirements of Honors in the Major
     - Application and admission through the Humanities Honors Coordinator
     - Fulfill University requirements for Honors in the Major
     - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
     - Successful completion and oral defense of Honors thesis
     - No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the Major
     - Earn a “B” (3.0) or better in both of the following:
       - HUM 4903H Honors Directed Reading I 3 hrs
       - HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Humanities
- Philosophy
- Religious Studies

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

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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 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 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 one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers I Sciences I 4 hrs
- Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 MAC 2311C Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
### Electives

1. **Ordinary Differential Equations I** (3 hrs)
2. **Physics for Engineers & Scientists I** (GEP)
3. **Physics for Engineers and Scientists II** (4 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.

### Capstone Requirements

Students should consult with their assigned academic advisor for a list of the approved technical electives and senior design courses listed below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 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>

### Core Requirements: Advanced Level (59 hrs)

#### Engineering Core: Basic

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design. Students should consult with their assigned academic advisor to develop and maintain an appropriate plan of study.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 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>

### Core Requirements: Basic Level (2 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EGN 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>
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</tbody>
</table>

### Restricted Electives (4 hrs)

Select 1:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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</table>

### Admissions

- A 2.0 cumulative GPA or better is required for this course.
- Preferred courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

### Tentative Course Schedule for Entering Freshmen:

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
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<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
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**Freshman Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
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### Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 1. Restricted Electives.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (128 hrs)

**Freshman Year - Fall**

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<td>ENC 1101</td>
<td>Composition I</td>
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<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
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<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
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<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers</td>
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**Freshman Year - Spring**

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<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
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**Freshman Year - Summer**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
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</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 3314</td>
<td>Work Analysis and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3354</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
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</table>

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4314</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3310</td>
<td>Engineering Analysis-Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
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**Junior Year - Spring**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EIN 4891C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4892C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
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**Junior Year - Summer**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EIN 4893C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4894C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
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</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EIN 4895C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4896C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
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**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4897C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4898C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
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**Senior Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4899C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4900C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
</tr>
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</table>

**Graduation**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EIN 4901C</td>
<td>Industrial Engineering Senior Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4902C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Electives**

- None

**Honors in Major**

- None

**Related Programs**

- Mechanical Engineering

**Certificates**

- None

**Advising Notes**

- None
Sophomore Year - Spring  15 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs
EGN 3310  Engineering Dynamics  3 hrs
EIN 4517  Systems Engineering  3 hrs
EIN 4243C  Human Engineering  3 hrs

Select 1:  3 hrs
SPC 1608  Fundamentals of Oral Communication or
SPC 1603  Fundamentals of Technical Presentations  3 hrs

Sophomore Year - Summer  8 hrs
EGN 3813  Engineering Economic Analysis  2 hrs
GEP  3 hrs
EGN 3321  Engineering Analysis-Dynamics  3 hrs

Junior Year - Fall  15 hrs
EIN 3314  Work Analysis and Design  3 hrs
EIN 4391  Manufacturing Engineering  3 hrs
EIN 3354  Principles of Cost Engineering  3 hrs
ESI 4312  Operations Research  3 hrs
EIN 4820C  Industrial Engineering Applications of Computers  3 hrs

Junior Year - Spring  15 hrs
EIN 4364  Facilities Planning  3 hrs
ESI 4221  Empirical Methods for Industrial Engineering  3 hrs
ESI 4523C  Systems Simulation  3 hrs
EIN 4333  Production and Distribution Systems  3 hrs

Select 1:  3 hrs
EGN 3358  Thermo-Fluids-Heat Transfer or
EGN 3343  Thermodynamics  3 hrs

Junior Year - Summer  6 hrs
GEP  3 hrs
EGN 3343  Thermodynamics  3 hrs

Senior Year - Fall  13 hrs
EIN 4516C  Systems Analysis and Design  3 hrs
ESI 4234  Quality Engineering  3 hrs
Restricted Elective  3 hrs
EGN 3373  Principles of Electrical Engineering  3 hrs
EGN 4624  Engineering Administration  3 hrs

Senior Year - Spring  12 hrs
EIN 4891C  Industrial Engineering Senior Design Project  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oees.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- “C” (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.

- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program (GEP)  37 hrs
A: Communication Foundations  9 hrs
Required ENC 1101 Composition I  3 hrs
Required ENC 1102 Composition II  3 hrs
Select 1:  3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations  9 hrs
C: Mathematical Foundations  6 hrs
Required STA 2023 Statistical Methods I  3 hrs
Select 1:  3 hrs
Suggested MAC 1105C College Algebra or
Suggested MAC 1140 Pre-Calculus Algebra

D: Social Foundations  6 hrs
Required ECO 2013 Principles of Macroeconomics  3 hrs
Required PSY 2012 General Psychology  3 hrs

E: Science Foundations  7 hrs
Required PHY 2053C College Physics I  4 hrs
Select one class from Science Foundations  3 hrs

2. Common Program Prerequisites (CPP)  15 hrs
- A "C" (2.0) or better is required in all these courses.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MAC 1140 Pre-Calculus Algebra  3 hrs
MAC 1114C College Trigonometry  3 hrs
ECO 2013 Principles of Macroeconomics  3 hrs
PSY 2012 General Psychology  3 hrs
PHY 2053C College Physics I  3 hrs
COP 3223 Introduction to Programming with C  3 hrs
COP 3330 Object Oriented Programming  3 hrs
CGS 2545C Database Concepts  3 hrs
STA 2023 Statistical Methods I  3 hrs

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  51 hrs
- A "C" (2.0) or better is required in all these courses.

Core Requirements  45 hrs
COP 3502C Computer Science I  3 hrs
CIS 3360 Security in Computing  3 hrs
CAP 4104 Human and Technology Interaction  3 hrs
EEL 3041 Circuit Analysis  3 hrs
CGS 3269 Computer Architecture Concepts  3 hrs
COT 4004 Computer Network Concepts  3 hrs
CIS 3003 Fundamentals of Information Technology  3 hrs
CIS 4313 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

Support Courses  6 hrs
- A "C" (2.0) or better is required in all these courses.
Select 1:  3 hrs
ENC 4293 Documentation and the Collaborative Process or
ENC 4265 Writing for the Computer Industry or
ENC 4414 Writing and Hypertext or
ENC 4415 Digital Rhetorics and The Modern Dialectic  3 hrs
Select 1:  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3211 Theory and Practice of Technical Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250 Professional Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (6 hrs)  
- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.  
- A, “C” (2.0) or better is required in all these courses.

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
- None

8. Electives  
- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Complete an exit interview with an assigned faculty advisor  
- Computer competency met by completion of major

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required  
- 120

Honors In Major  
- None

Related Programs  
- Computer Engineering  
- Computer Science

Certificates  
- None

Related Minors  
- Computer Science  
- Interdisciplinary Informatics Technology  
- Secure Computing and Networks

Advising Notes  
- None

Transfer Notes  
- Grades below “C” (2.0) are not accepted  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.  
- Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses  
- None

Plan of Study

Freshman Year - Fall  
- 12 hrs

<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>MAC 1103 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223 Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
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Select 1:  
- 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAC 1105C College Algebra or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1140 Pre-Calculus Algebra</td>
<td>3 hrs</td>
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</table>

Freshman Year - Spring  
- 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1114C College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012 General Psychology</td>
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Sophomore Year - Fall  
- 16 hrs

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAD 2104 Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CIS 3003 Fundamentals of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Spring  
- 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3269 Computer Architecture Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2545C Database Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

Junior Year - Fall  
- 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CAP 4104 Human and Technology Interaction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3041 Circuit Analysis</td>
<td>3 hrs</td>
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<tr>
<td>CNT 3004 Computer Network Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3369 Security in Computing</td>
<td>3 hrs</td>
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Junior Year - Spring  
- 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CIS 4313 Managing IT Integration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626 Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 3763 Operating System Concepts</td>
<td>3 hrs</td>
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Select 1:  
- 3 hrs

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<td>ENC 3211 Theory and Practice of Technical Writing</td>
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<td>ENC 3250 Professional Writing</td>
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Select 1:  
- 3 hrs

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<tr>
<td>ENC 4265 Writing for the Computer Industry or</td>
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</tr>
<tr>
<td>ENC 4293 Documentation and the Collaborative Process or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4414 Writing and Hypertext or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415 Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
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Senior Year - Fall  
- 15 hrs

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CNT 4703C Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004 Web-Based Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4603 System Administration and Maintenance</td>
<td>3 hrs</td>
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Senior Year - Spring  
- 14 hrs

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4910 Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714 Enterprise Computing</td>
<td>3 hrs</td>
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</table>

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees  
- Part-Time Student: $9 per term  
- Full-Time Student: $18 per term
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
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives (30 hrs)
   - Students must complete two different subject area concentrations from among those specified below.
   - Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.

Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.

See the Interdisciplinary Studies Advising Team for details regarding each area:
- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Physical Sciences
- Life/Biomedical Sciences
- Public Affairs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

9. Additional Requirements
   - None

10. Required Minors
    - Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
    - A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
    - Computer Competency met by completing this major.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 48 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's Studies Track

Certificates
- None
Interdisciplinary Studies - Environmental Studies

Track (B.S.)

Office of Undergraduate Studies,
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu

Email: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog and students must declare an Interdisciplinary Studies major at least one semester before graduation. Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.

Co-op credit cannot be used in the major.

Students must earn at least a “C” (2.0) grade in each required course in the core and subject areas.

Students must consult with an Interdisciplinary Studies adviser when entering the program.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Required: STA 2023 Statistical Methods I 3 hrs

1 Required: MAC 1105C College Algebra 3 hrs

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (11 hrs)

Core for Environmental Studies:

Physical/Mathematical Sciences

CHM 2045C Chemistry Fundamentals I GEP
MAC 1105C College Algebra GEP
PSC 1121 Physical Science 3 hrs
STA 2023 Statistical Methods I GEP

Social Science & Humanities

SYG 2000 Introduction to Sociology GEP
ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals

IDS 3150 Foundations of Environmental Studies 3 hrs
ECP 3302 Economics and the Environment 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
PUP 3203 Environmental Politics 3 hrs
SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)

Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

Select eighteen hours in one concentration.

Science Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Plant Kingdom 5 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
IRN 4351 International Environmental Law 3 hrs
PSC 1120 Urban and Regional Planning 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
Interdisciplinary Studies - Women’s Studies Track (B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 1, Room: 302
Program in Women’s Studies, Colburn Hall, Room: 411
http://www.is.ucf.edu
Email: is@mail.ucf.edu

Email: womenst@mail.ucf.edu
Interdisciplinary Studies Advising Team , 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives (36 hrs)
   - Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
   - Students must complete one subject area from those specified in the Second Study Area below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.
First Study Area - Womanist/Women of Color 18 hrs Area
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

Select 5: 15 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3682 Ethnic Literature in America or 3 hrs
- ASH 4304 Women in China or 3 hrs
- AML 3682 Ethnic Literature in America or 3 hrs
- Other courses approved by the Interdisciplinary Studies Advising Team

Second Study Area (from those below) 18 hrs
- 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, Life/Biomedical, Physical Sciences, Public Affairs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- 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 Computer Science 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
- 36 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Kerstin Hemann
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
**UCF Degree Programs**

**Double major/dual degree policy in Political Science programs and minors:**
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.
  - POS 2041 American National Government 3 hrs

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

   **A: Communication Foundations** (9 hrs)
   - Select from the following listing:
     - POS 2041 American National Government 3 hrs
     - POS 3703 Scope and Methods of Political Science 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 3 hrs
     - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
   - Statistics: 3 hrs
     - Prefer STA 2014C Principles of Statistics or 3 hrs
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - May substitute a more advanced STA course. 3 hrs

   **D: Social Foundations** (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Required One course from GEP D.2 list 3 hrs

   **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - None

3. **Core Requirements: Basic Level** (6 hrs)
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - INR 2002 International Relations-Theory and Practice 3 hrs
   - POS 2041 American National Government GEP

4. **Core Requirements: Advanced Level** (15 hrs)
   - CPO 3103 Comparative Politics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - IDS 4151 Global Perspectives 3 hrs
   - INR 4603 International Relations Theory 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs

5. **Restricted Electives** (18 hrs)
   - Note: Students must meet all prerequisites before taking these classes.
   - Other courses may be substituted with the chair’s approval.

**Regional**

- 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 3814 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - CPO 5534 Contemporary Politics of the Mayan Region 3 hrs

**Functional**

- Select from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4062 Causes of War 3 hrs

- Note: A maximum of 3 hours of Internship can be used.

6. **Capstone Requirements**
   - None

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

**Admissions**
- 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.

9. **Additional Requirements**
   - None

10. **Required Minors**
    - Select from following minors (18 hours min)
    - No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.
    - Asian Studies
    - Economics
    - European Studies
    - French
    - German
    - International Business
    - Interpersonal/Organizational Communication
    - Italian
    - Latin American Area Studies
    - Middle Eastern Studies
11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu/

Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- GEP-Math 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- INR 2002 International Relations/Theory and Practice 3 hrs
- WOH 2022 World Civilization II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- CPO 3103 Comparative Politics 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 2 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm

Interpersonal/Organizational Communication (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email:
Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
### UCF Degree Programs

**C: Mathematical Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>Statistics:</th>
<th>Required</th>
<th>STA 1063C</th>
<th>Basic Statistics Using Microsoft Excel or GEP</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Statistics:</th>
<th>Required</th>
<th>STA 2014C</th>
<th>Principles of Statistics</th>
</tr>
</thead>
</table>

**Math:** 3 hrs

<table>
<thead>
<tr>
<th>Suggested</th>
<th>MGF 1106</th>
<th>Finite Mathematics or GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>MGF 1107</td>
<td>Explorations in Mathematics or GEP</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>SPC 1008</th>
<th>Fundamentals of Oral Communication or GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1003</td>
<td>Fundamentals of Technical Presentations</td>
</tr>
</tbody>
</table>

**Statistics:**

<table>
<thead>
<tr>
<th>STA 1063C</th>
<th>Basic Statistics Using Microsoft Excel or GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
</tbody>
</table>

**Computer Science:**

<table>
<thead>
<tr>
<th>CGS 1060C</th>
<th>Introduction to Computer Science or GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business or GEP</td>
</tr>
<tr>
<td>CGS 2985C</td>
<td>Desktop/Internet Publishing or GEP</td>
</tr>
<tr>
<td>CGS 3175</td>
<td>Internet Applications</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (12 hrs)

**Take all of the following:** 12 hrs

<table>
<thead>
<tr>
<th>COM 3011C</th>
<th>Communication and Human Relations and GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3120</td>
<td>Organizational Communication and GEP</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods and GEP</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (27 hrs)

#### Internal Restricted Electives: 21 hrs

- Select from the following list:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3022 Health Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 3332 Communication, Technology, and Change 3 hrs
  - COM 3406 Role of Motivation in Communication 3 hrs
  - COM 4014 Gender Issues in Communication 3 hrs
  - COM 4416 Terrorism and Communication 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - COM 4462 Conflict Management 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 3513C Argumentation and Debate 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4428 Group Dynamics 3 hrs
  - SPC 4540 Attitudes and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

<table>
<thead>
<tr>
<th>COM 4941</th>
<th>Internship or</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4906</td>
<td>Directed Independent Study or</td>
</tr>
<tr>
<td>SPC X949</td>
<td>Coop or</td>
</tr>
<tr>
<td>COM X949</td>
<td>Coop</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.

- 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**

### Certificates

- **None**

### Related Minors

- Interpersonal/Organizational Communication
- Mass Communication

### Advising Notes

- **None**

### Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- **None**

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a 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.
## Admission Requirements

- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Achieve an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.

### Program Academic Learning Compacts

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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</table>

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core-Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3011C Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
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</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 3301 Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>External Restricted Elective</td>
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</tr>
</tbody>
</table>

### Junior Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective - Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</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.o eas.ucf.edu/aic/academic_learning_compacts.htm](http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm)

## Journalism (B.A.)

### College of Sciences

Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

**Email:** journalism@ucf.edu

Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Rebecca Morales, Academic Support, rebecca.morales@ucf.edu

**Phone:** 407-823-2681

### Admission Requirements

- 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 newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- 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 and ENC 1102 Composition II

**Speech:** Select one of the following.

- Required SPC 1608 Fundamentals of Oral Communication
- Suggested SPC 1603 Fundamentals of Technical Presentations
UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)
Group 1: Select a course from group 1. 3 hrs
Prefer AMH 2010 U.S. History: 1492-1877 or
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Group 2: Select a course from group 2. 3 hrs
Group 3: Select a third course from either group 1 or 2. 3 hrs

C: Mathematical Foundations (6 hrs)
Statistics-Computers: 3 hrs
Suggested CGS 1050C Introduction to Computer Science or
Suggested STA 2014C Principles of Statistics 3 hrs
Math: 3 hrs
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
Group 1: 3 hrs
Prefer POS 2041 American National Government 3 hrs
Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603 Fundamentals of Technical Presentations or GEP

3. Core Requirements: Basic Level (12 hrs)
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603 Fundamentals of Technical Presentations or GEP

Core: Additional requirements 12 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  JOU 2100C News Reporting and 3 hrs
  JOU 3004 History of American Journalism 3 hrs
  MMC 2004 Mass Media and 3 hrs
  JOU 3015 Principles of Journalism 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  JOU 4700 Journalism Ethics 3 hrs
  MMC 3200 Mass Communication Law 3 hrs

5. Restricted Electives (18 hrs)
- These courses can only be completed after acceptance into the program.

Writing/Editing: Select from the following: 9 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3130 In-Depth Reporting 3 hrs
- JOU 3184C Metro Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3313C Sports Reporting 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4224 Magazine Editing and Production 3 hrs
- JOU 4300 Feature Writing 3 hrs
- JOU 4306C Critical Writing 3 hrs
- JOU 4308 Freelance Writing 3 hrs
- JOU 4941 Internship 3 hrs
Internships must be approved in advance by the Journalism Area Coordinator

Visual Journalism: Select from the following: 9 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4211C Informational Graphics 3 hrs
- JOU 4213C Page Design 3 hrs
- JOU 4340C Online Journalism I 3 hrs
- JOU 4341C Online Journalism II 3 hrs
- JOU 4342C Multimedia Journalism 3 hrs
- PGY 3610C Photojournalism I 3 hrs
- PGY 3620C Photojournalism II 3 hrs
- PGY 3630 Photojournalism III 3 hrs
- JOU 4941 Internship 3 hrs
Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students must complete the 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None
Related Minors
■ NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
■ English - Creative Writing
■ English - Linguistics
■ English - Literature
■ English - Technical Communication
■ Writing and Rhetoric
■ History
■ Magazine Journalism
■ Political Science
■ Sociology

Advising Notes
■ It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
■ Students are urged to contact their school advisor before registering for courses.

Transfer Notes
■ Lower division courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Consult a 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 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 1008  Fundamentals of Oral Communication  3 hrs
GEP-Stat or CS  3 hrs
Foreign Language  4 hrs

Sophomore Year - Fall 15 hrs
MMC 2004  Mass Media  3 hrs
GEP  3 hrs
GEP  3 hrs
Elective-Minor  3 hrs

Sophomore Year - Spring 15 hrs
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 15 hrs
If admitted, take...
JOU 3004  History of American Journalism  3 hrs
MMC 3200  Mass Communication Law  3 hrs
Restricted Elective  3 hrs
Elective-Minor  3 hrs
Elective-take outside of NSC  3 hrs

Junior Year - Spring 15 hrs
JOU 3015  Principles of Journalism  3 hrs
JOU 4700  Journalism Ethics  3 hrs
Restricted Elective  3 hrs
Elective-take outside of NSC  3 hrs

Junior Year - Summer 3 hrs
Restricted Elective-Internship  3 hrs

Senior Year - Fall 15 hrs
Submit Journalism Portfolio
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Elective-Minor  3 hrs
Elective-Minor  3 hrs
Elective-take outside of NSC  3 hrs

Senior Year - Spring 16 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  4 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $22 per term
■ Full-Time Student: $44 per term

Latin American Studies (B.A.)
College of Arts and Humanities
Colburn Hall, Room: 406E and F
http://las.cah.ucf.edu/
Email: latinamerica@ucf.edu
Dr. JosÁ© M. Maunez-Cuadra, Jose.Maunez-Cuadrea@ucf.edu, 407-823-1173
Phone: 407-823-1174

Admission Requirements
■ None

Major Requirements 15 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
GEA 4405  Geography of Latin America  3 hrs
LAPH 3200  Modern Latin America  3 hrs
LAS 2001  Topics in Latin American Studies  3 hrs
LAS 3101  Latin American Popular Culture  3 hrs
■ In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Co-op or internship credit cannot be used in this major without previous approval by the program director.
■ Students must earn at least a “C”(2.0) in each required course.
■ Students should consult with the program director.
■ Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required ARH 2060  History of Western Art I  3 hrs
Select 2 Courses From B.1 Based On Area Selections  6 hrs
C: Mathematical Foundations (6 hrs)
Suggested STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
Select 1:
Suggested MGF 1106  Finite Mathematics or  3 hrs
Suggested MGF 1107  Explorations in Mathematics  3 hrs
D: Social Foundations (6 hrs)
Prefer ANT 2000  General Anthropology  3 hrs
Prefer POS 2041  American National Government  3 hrs
UCF Degree Programs

### UCF Degree Programs

#### 1. Bachelor of Arts in Latin American Studies

**Area One: 12 hrs**
- INR 4243  International Politics of Latin America  3 hrs
- HUM 3460  Latin American Humanities  3 hrs
- LIT 3823  Hispanic Women Writers  3 hrs
- LIT 3381  Women Writers of Color  3 hrs
- LIT 3192  Caribbean Literature  3 hrs
- AML 3682  Ethnic Literature in America  3 hrs
- AML 3615  Harlem, Haiti, and Havana  3 hrs
- LAH 4480  History of Cuba  3 hrs
- LAH 4742  The Mexican Revolution  3 hrs
- LAH 4790  Poverty and Development in Latin America  3 hrs

**Area Two: 9 hrs**
- Select primarily from upper level courses after meeting the option to be considered:
- ARH 2051  History of Western Art II  3 hrs
- ARH 3070  20th Century Latin American Art  3 hrs
- ARH 3073  Modern Art of Mexico  3 hrs
- ARH 3674  Latin American Popular Visual Culture  3 hrs
- ARH 4653  Meso American Art  3 hrs
- AML 3615  Harlem, Haiti, and Havana  3 hrs
- AML 3882  Ethnic Literature in America  3 hrs
- AML 4630  Latino/Latina Literature  3 hrs
- LIT 3192  Caribbean Literature  3 hrs
- LIT 3351  Women Writers of Color  3 hrs
- LIT 3823  Hispanic Women Writers  3 hrs

**Humanities**
- HUM 3460  Latin American Humanities  3 hrs

**International Relations**
- INR 4243  International Politics of Latin America  3 hrs

**English**
- AML 3615  Harlem, Haiti, and Havana  3 hrs
- AML 3882  Ethnic Literature in America  3 hrs
- AML 4630  Latino/Latina Literature  3 hrs
- LIT 3192  Caribbean Literature  3 hrs
- LIT 3351  Women Writers of Color  3 hrs
- LIT 3823  Hispanic Women Writers  3 hrs

**Anthropology**
- ANT 4332  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
- ANT 3330  Cultural Ecology of Amazonia  3 hrs
- ANT 3344  Puerto Rican Culture  3 hrs
- ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
- ANT 4308  Gender Issues in Latin America  3 hrs
- ANT 4340  Caribbean Cultures  3 hrs

**Politics**
- CPO 3034  Politics of Developing Areas  3 hrs
- CPO 3103  Comparative Politics  3 hrs
- CPO 4047  Politics of the NAFTA Region  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

### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP)
- None

#### 3. Core Requirements: Basic Level (3 hrs)
- LAS 2001  Topics in Latin American Studies  3 hrs

#### 4. Core Requirements: Advanced Level (12 hrs)
- ANT 4332  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
- ANT 3330  Cultural Ecology of Amazonia  3 hrs
- ANT 3344  Puerto Rican Culture  3 hrs
- ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
- ANT 4308  Gender Issues in Latin America  3 hrs
- ANT 4340  Caribbean Cultures  3 hrs

#### 5. Restricted Electives (21 hrs)
- Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
- Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
- Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

**Area One: 12 hrs**
- **Anthropology**
  - ANT 3160  Americas Before Columbus  3 hrs
  - ANT 3161  Archaeology of Mexico  3 hrs
  - ANT 3163  Mesoamerican Archaeology  3 hrs
  - ANT 3164  Ancient Incas  3 hrs
  - ANT 3165  Archaeology of South America  3 hrs
  - ANT 3168  Maya Archaeology  3 hrs
  - ANT 3319  Anthropology of Diaspora  3 hrs
  - ANT 3330  Cultural Ecology of Amazonia  3 hrs
  - ANT 3344  Puerto Rican Culture  3 hrs
  - ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs

**Area Two: 9 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 4790  Poverty and Development in Latin America  3 hrs

**Spanish and Spanish Literature**
- Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

**Variable**
- Select primarily from upper level courses after meeting the option to be considered:
- ARH 2051  History of Western Art II  3 hrs
- ARH 3070  20th Century Latin American Art  3 hrs
- ARH 3073  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 3882  Ethnic Literature in America  3 hrs
- AML 4630  Latino/Latina Literature  3 hrs
- LIT 3192  Caribbean Literature  3 hrs
- LIT 3351  Women Writers of Color  3 hrs
- LIT 3823  Hispanic Women Writers  3 hrs

**Humanities**
- HUM 3460  Latin American Humanities  3 hrs

**International Relations**
- INR 4243  International Politics of Latin America  3 hrs
— Finance
— Health Informatics and Information Management
— International Business
— Leadership Studies
— Marketing
— Public Administration
— Spanish
— Technological Entrepreneurship
— Urban and Regional Planning
— Women’s Studies

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- Anthropology
- History
- Political Science
- Art - History Track
- Interdisciplinary Studies

Certificates

- None

Related Minors

- No more than six (6) hours can overlap between the major and the minor
- Accounting
- Digital Media
- Economics
- Emergency Management and Homeland Security
- Energy and Sustainability
- Entrepreneurship: For Non-Business Majors
- Environmental Studies
- Finance
- Health Informatics and Information Management
- International Business
- Leadership Studies
- Marketing
- Music
- Public Administration
- Spanish
- Technological Entrepreneurship
- Urban and Regional Planning
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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/aic/academic_learning_compacts.htm

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs

Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml

Email: legalstudies@ucf.edu

Dr. David Slaughter

Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Cultural Foundations (6 hrs)
- Social Foundations (6 hrs)

C: Mathematical Foundations (6 hrs)

D: Science 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 3106 Legal Research 3 hrs
- PLA 3165 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

Upper Division Restricted Electives (21 hrs)

- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
UCF Degree Programs

Supporting Courses  9 hrs

- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Specializations

- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transactional Law
  - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements  (3 hrs)

- 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.

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

- Undergraduate Certificate in Public and Professional Writing

Related Minors

- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall  14 hrs

- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PAF 2102  Public Affairs Careers  2 hrs

Select 1:  3 hrs

- PSY 2012  General Psychology or 3 hrs
- SYG 2000  Introduction to Sociology  3 hrs

Select 1:  3 hrs

- BSC 1005  Biological Principles or 3 hrs
- MCB 1310  Introduction to Biotechnology and Genetic Engineering  3 hrs

Freshman Year - Spring  15 hrs

- ENC 1102  Composition II  3 hrs
- CGS 1085C  Introduction to Computer Science  3 hrs
- Free Elective  3 hrs

Select 1:  3 hrs

- ECO 2013  Principles of Macroeconomics or 3 hrs
- POS 2041  American National Government or 3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs

Select 1:  3 hrs

- ARH 2050  History of Western Art I or 3 hrs
- ARH 2051  History of Western Art II or 3 hrs
- MUL 2010  Enjoyment of Music or 3 hrs
- THE 2000  Theatre Survey or 3 hrs
- REL 2300  World Religions or 3 hrs
- PHI 2010  Introduction to Philosophy or 3 hrs
- LIT 2110  World Literature I or 3 hrs
- LIT 2120  World Literature II  3 hrs

Sophomore Year - Fall  16 hrs

- SPC 1606  Fundamentals of Oral Communication  3 hrs
- Free Elective  3 hrs

Select 1:  3 hrs

- PSC 1121  Physical Science or 3 hrs
- CHM 1020  Concepts in Chemistry  3 hrs

Select 1:  3 hrs

- EUH 2000  Western Civilization I or 3 hrs
- HUM 2210  Humanistic Tradition I or 3 hrs
- AMH 2010  U.S. History: 1492-1877  3 hrs
- 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

Select 1:  3 hrs

- EEU 2001  Western Civilization II or 3 hrs
- HUM 2230  Humanistic Tradition II or 3 hrs
- AMH 2020  U.S. History: 1877-Present  3 hrs
- Foreign Language II or BS option  4 hrs

Junior Year - Fall  15 hrs

- PLA 3108  Legal Research  3 hrs
- PLA 3205  Civil Practice and Procedure  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Supporting Elective  3 hrs

Junior Year - Spring  15 hrs

- PLA 3155  Legal Writing  3 hrs
- PLA 3615  Property and Real Estate Law  3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
PLA 4703 Professional Ethics and Liability 3 hrs
Supporting Elective 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/alc/academic_learning_compacts.htm

Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students in the Management major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Management, Entrepreneurship, and Human Resources courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major.

Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Management, Entrepreneurship, and Human Resources courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Management, Entrepreneurship, and Human Resources courses in the subsequent term, that student will be dropped as a Management major. A student who is dropped may seek re-admittance as a Management major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Management, Entrepreneurship, and Human Resources GPA of 2.0 or higher. Readmission is not automatic.

Students majoring in Management must earn a grade of “C” (2.0) or better in the following courses and each course applied towards the major:
- MAN 3025 Management of Organizations 4 hrs
- MAN 4720 Strategic Management 4 hrs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 2100C Computer Fundamentals for Business 3 hrs
   C: Mathematical Foundations (6 hrs)
   Required MAC 1105C College Algebra 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   Required ANA 2000 General Anthropology or 3 hrs
   Required PSY 2012 General Psychology or 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs
   Select 1: Required 3 hrs
   Required ECO 2013 Principles of Microeconomics 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs
   E: Science Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 3401 Quantitative Business Tools I 3 hrs
   or
   MAC 2323 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     ECO 3411 Quantitative Business Tools II 4 hrs
     FIN 3403C Business Finance 4 hrs
     GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     GEB 3237 Introduction to International Business 4 hrs
     MAN 3025 Management of Organizations 4 hrs
     MAR 3023 Marketing 4 hrs
     MAR 3203 Supply Chain and Operations Management 4 hrs
     Required in 1st or 2nd semester
     Must be taken with GEB 3031

5. Restricted Electives (24 hrs)
   Within the Management major, students can concentrate in 3 areas of study. Courses for each area are outlined below:
   Human Resource Management Track 24 hrs
   Required Courses 15 hrs
   - MAN 3301 Management of Human Resources and 3 hrs
     MAN 4240 Organizations: Theory and Behavior and 3 hrs
     MAN 4320 Human Resources Recruitment and Selection and 3 hrs
     MAN 4330 Compensation Administration and 3 hrs
     MAN 4350 Training and Development 3 hrs

UCF Degree Programs
Restricted Elective Courses  9 hrs
BUL 4540  Employment Law or  3 hrs
GEB 3113  How to Start a Business or  3 hrs
GEB 4110  Business Plan Preparation or  3 hrs
GEB 4111  New Venture Finance or  3 hrs
GEB 4435  Moral Foundations of Business or  3 hrs
Any MAN Course  3 hrs

General Management Track  24 hrs

Required Courses  15 hrs
MAN 3301  Management of Human Resources and  3 hrs
MAN 3520  Quality & Productivity Management and  3 hrs
MAN 4240  Organizations: Theory and Behavior and  3 hrs
MAN 4441  Conflict Resolution and Negotiation and  3 hrs
MAN 4701  Business Ethics and Society  3 hrs

Restricted Elective Courses  9 hrs
BUL 4540  Employment Law or  3 hrs
GEB 3113  How to Start a Business or  3 hrs
GEB 4110  Business Plan Preparation or  3 hrs
GEB 4111  New Venture Finance or  3 hrs
GEB 4435  Moral Foundations of Business or  3 hrs
Any MAN Course  3 hrs

Entrepreneurship Track  24 hrs

Required Courses  12 hrs
GEB 4110  Business Plan Preparation and  3 hrs
GEB 4111  New Venture Finance and  3 hrs
MAN 3301  Management of Human Resources and  3 hrs
MAN 4802  Entrepreneurship  3 hrs
Select 1:  3 hrs
MAR 3391  Professional Selling or  3 hrs
MAR 3765  Entrepreneurial Marketing  3 hrs

Restricted Elective Courses  9 hrs
BUL 4540  Employment Law or  3 hrs
GEB 4435  Moral Foundations of Business or  3 hrs
Any MAN course  3 hrs

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

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

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

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, at least two semesters remaining prior to graduation.
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and the Management Department Chair.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements  6 hrs
Required Honors Reading Course  3 hrs
MAN 4903H  Honors Directed Reading I or  3 hrs
MAN 4904H  Honors Directed Reading II  3 hrs

Required Honors Thesis  3 hrs
MAN 4970H  Undergraduate Honors Thesis  3 hrs

Related Programs
- None
- Certificates
- None
- Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- ACG 2021  Principles of Financial Accounting  3 hrs
- ACG 2021 may be substituted with: ACG X001
- ACG 2021  Principles of Financial Accounting  3 hrs
- ACG 2021 may be substituted with: ACG X011
### Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Freshman Year - Spring**
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

**Sophomore Year - Fall**
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Soc/Art 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

**Junior Year - Spring**
- MAN 4802 Entrepreneurship 3 hrs
- FIN 3403C Business Finance 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

**Senior Year - Fall**
- MAN 3203 Supply Chain and Operations Management 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Required in 1st or 2nd semester

**Senior Year - Spring**
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- Restricted Elective 3 hrs

**General Management Track**
- Junior Year - Fall
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - MAN 4411 Conflict Resolution and Negotiation 3 hrs
  - ECO 4401 Managerial Economics 3 hrs
  - MAN 4701 Business Ethics and Society 3 hrs
  - MAN 4720 Strategic Management 4 hrs
- Junior Year - Spring
  - BUL 3310 Legal and Ethical Environment of Business 4 hrs
  - MAN 4240 Organizations: Theory and Behavior 3 hrs
  - MAN 4330 Compensations and Benefits 3 hrs
  - MAN 4740 Business Ethics and Society 3 hrs
  - MAN 4720 Strategic Management 4 hrs

**Entrepreneurship Track**
- Junior Year - Fall
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs
- Junior Year - Spring
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - MAN 4802 Entrepreneurship 3 hrs

**Marketing (B.S.B.A.)**

**Program Academic Learning Compacts**
- Marketing (B.S.B.A.)
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
    - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Full-Time Student: $15 per term
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Full-Time Student: $15 per term
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Admission Requirements**
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.
Students wanting to major in Marketing must apply for admission to the major.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students must earn at least a 2.0 GPA in the major and COB.

Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Marketing and Supply Chain Management courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing and Supply Chain courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing and Supply Chain courses in a subsequent term, that student will be dropped as an Marketing major. A student who is dropped may seek remittance as an Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an GPA of 2.0 or higher. Readmission is not automatic.

Must complete all Gordon Rule requirements, prior to admission to this degree.

Final exams will be given during Exam Week

Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

- MAR 3023 Marketing 4 hrs

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

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Required MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)

- Required MAC 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- Suggested PSY 2012 General Psychology 3 hrs
- Suggested ANT 2000 General Anthropology 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

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

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

AOC 2021 Principles of Financial Accounting 3 hrs
AOC 2071 Principles of Managerial Accounting 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:

Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better can take ECO 3401.

- ECO 3401 Quantitative Business Tools I 3 hrs
- MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (50 hrs)

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

Required Courses 15 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs

5. Restricted Electives (9 hrs)

General Marketing

- Select a minimum of 3 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Technology Applications in Marketing 3 hrs
  - MAR 3765 Entrepreneurial Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4941 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

Professional Selling Track 9 hrs

- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Advanced Professional Selling and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture 3 hrs

6. Capstone Requirements (4 hrs)

- MAN 4720 Strategic Management 4 hrs

This course is taken in the graduating term and requires the following prerequisites:
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

Graduation

- 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
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing courses reaches 2.0. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- Available

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II Elective 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc Elective 3 hrs

Sophomore Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs

Junior Year - Spring
- MAR 3391 Professional Selling 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- FIN 3403C Business Finance 4 hrs

Senior Year - Fall
- MAR 4803 Marketing Management 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR Elective 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR Elective 3 hrs
- GE Non-Business Elective 3 hrs

8. Electives
- (Variable)

9. Additional Requirements
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing courses reaches 2.0. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- Available

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II Elective 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc Elective 3 hrs

Sophomore Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs

Junior Year - Spring
- MAR 3391 Professional Selling 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- FIN 3403C Business Finance 4 hrs

Senior Year - Fall
- MAR 4803 Marketing Management 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR Elective 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR Elective 3 hrs
- GE Non-Business Elective 3 hrs
### UCF Degree Programs

#### Marketing: Professional Selling Track

**Freshman Year - Fall**  
- ENC 1101  Composition I  
- SPC 1608  Fundamentals of Oral Communication  
- Restricted Elective  
- Restricted Elective  
- Cult-Hist I  

15 hrs

**Freshman Year - Spring**  
- ENC 1102  Composition II  
- MAC 1105C  College Algebra  
- CGS 2100C  Computer Fundamentals for Business  
- Cult-Hist II  
- Art/Music/Lit  

15 hrs

#### Sophomore Year - Fall

- ECO 2023  Principles of Microeconomics  
- ACG 2021  Principles of Financial Accounting  
- Restricted Elective  
- Science  
- Psy/Soc/Ant  

15 hrs

#### Sophomore Year - Spring

- ECO 2013  Principles of Macroeconomics  
- ACG 2071  Principles of Managerial Accounting  
- ECO 3401  Quantitative Business Tools I  
- Restricted Elective  
- Science  

15 hrs

#### Junior Year - Fall

- ECO 3411  Quantitative Business Tools II  
- GEB 3031  Cornerstone: Professional Skills for Business  
- GEB 3375  Introduction to International Business  
- MAR 3023  Marketing  

16 hrs

#### Junior Year - Spring

- MAR 3391  Professional Selling  
- MAR 3403  Sales Force Management  
- FIN 3403C  Business Finance  
- MAR 3503  Consumer Behavior  
- MAR 3613  Marketing Analysis and Research  

16 hrs

#### Senior Year - Fall

- MAR 4803  Marketing Management  
- MAR 4415C  Advanced Professional Selling  
- MAN 3025  Management of Organizations  
- MAR 3203  Supply Chain and Operations Management  

14 hrs

#### Senior Year - Spring

- MAN 4720  Strategic Management  
- MAR 4804  Marketing Strategy  
- BUL 3130  Legal and Ethical Environment of Business  
- MAR 4413C  Strategic Issues in Sales-Lecture  
- GE Non-Business Elective  

17 hrs

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oias.ucf.edu/alal/academic_learning_compacts.htm](http://www.oias.ucf.edu/alal/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Mathematics (B.S.)

#### College of Sciences

Department of Mathematics,  
Math and Physics, Room: 207  
[http://math.ucf.edu](http://math.ucf.edu)

Dr. Joseph Brennan, MAP 215A, Joseph.Brennan@ucf.edu, 407-823-5700

The university offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with the word Honors in the title. These are for students in the Honors Program.

### Admission Requirements

- None

---

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
  - Students must earn at least a “C” (2.0) in each course used to satisfy a requirement.
  - Co-op or internship credit cannot be used in this major.
  - Students should consult with a departmental advisor.
  - All prerequisites of courses taught within the College of Sciences will be enforced.
  - Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
  - All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
    - MAC 2311C Calculus with Analytic Geometry I  
    - MAC 2312 Calculus with Analytic Geometry II  
    - MAC 2313 Calculus with Analytic Geometry III  
    - MAP 2302 Ordinary Differential Equations I  

#### Note:

- the following courses will not satisfy any Math degree requirements:
  - MTG 4212 Modern Geometries  
  - MHF 4404 History of Mathematics  

#### 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**  
3 hrs

**B: Cultural & Historical Foundations**  
3 hrs

**C: Mathematical Foundations**  
7 hrs

- Required  MAC 2311C Calculus with Analytic Geometry I  
- Required  MAP 2302 Ordinary Differential Equations I  

**D: Social Foundations**  
6 hrs

- 1. Depending on concentration, select  
  3 hrs

- Required  ECO 2023 Principles of Microeconomics or  
- Suggested  POS 2041 American National 

**E: Science Foundations**  
8 hrs

- Check track requirements before selecting.  
- Required  PHY 2048C Physics for Engineers & Scientists I  
- Suggested  BSC 210C Biology I  

**2. Common Program Prerequisites (CPP) (15 hrs)**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.
  - COP 3502C Computer Science I  
  - MAC 2311C Calculus with Analytic Geometry I  
  - MAC 2312 Calculus with Analytic Geometry II  
  - MAC 2313 Calculus with Analytic Geometry III  
  - MAP 2302 Ordinary Differential Equations I  

**- Select from the following:**  
4 hrs

- CHM 2045C Chemistry Fundamentals I  
  
- or  
  - CHM 2040 Chemistry Fundamentals IA and  
  - CHM 2041 Chemistry Fundamentals IB  

- or  

- BSC 210C Biology I or  
- PHY 2048C Physics for Engineers & Scientists I  

---
3. Core Requirements: Basic Level (15 hrs)
- All courses specifically identified in the preceding
Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- COP 3502C Computer Science I and MAA/CPP
- MAC 2311C Calculus with Analytic Geometry I and MAA/CPP
- MAC 2312 Calculus with Analytic Geometry II and MAA/CPP
- MAC 2313 Calculus with Analytic Geometry III and MAA/CPP
- MAP 2302 Ordinary Differential Equations I and MAA/CPP

Basic Core: Additional requirements 8 hrs
- MAS 3105 Matrix and Linear Algebra and MAA/CPP
- MAS 3106 Linear Algebra and MAA/CPP

- and depending on concentration, select 3 hrs 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
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology Concentration
  - Select from lecture courses listed in the
  - Required in Mathematical Biology Concentration
  - May substitute the two semester equivalent Chemistry courses for the first Chemistry course
  - CHM 2045C Chemistry Fundamentals I and MAA/CPP
  - CHM 2046 Chemistry Fundamentals II and MAA/CPP
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Chemistry: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology Concentration
  - Select from lecture courses listed in the

- 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 MAA/CPP
  - PHY 2049C Physics for Engineers & Scientists II and MAA/CPP

4. Core Requirements: Advanced Level (7 hrs)
- MAA 4226 Advanced Calculus I 4 hrs
- MAS 4301 Abstract Algebra I 3 hrs

5. Restricted Electives
- Students must select one of the following five concentrations.

A. General Concentration 18 hrs
  Select any 4000 or 5000 level courses offered by the
  Department of Mathematics.
  Select any 4000, or 5000 level course with an MAP or
  MAT prefix offered by the Department of Mathematics.
  Any 4000, or 5000 level course with an MAA, MAD, MAS,
  or MTG prefix, offered by the Department of Mathematics
  except MTG 4212.

B. Mathematical Biology Concentration 45 hrs
  Students are to have completed these courses in the GEP and CPP
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2046C Chemistry Fundamentals I 4 hrs
  - or the two semester equivalent
  - 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

Complete all of the following
- MAP 4384 Mathematical Biology I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Any 4000, or 5000 level course with an MAP or MAT prefix
  offered by the Department of Mathematics.
  - Any 4000, or 5000 level course with an MAA, MAD, MAS,
  or MTG prefix, offered by the Department of Mathematics
  except MTG 4212.

Select from lecture courses listed in the 9 hrs
  restricted electives within the Biology and/or
  Biomedical Sciences programs.

C. Mathematical Economics Concentration 39 hrs
  Students are to have completed this course in the
  - ECO 2013 Principles of Macroeconomics 3 hrs

Complete all of the following
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs

- Select from the following 9 hrs
  - ECO 3703 International Macroeconomics or 3 hrs
  - ECO 4504 Public Economics or 3 hrs
  - ECO 4713 International Macroeconomics or 3 hrs
  - ECO 4412 Econometrics or 3 hrs
  - ECO 4303 Environmental and Natural Resource Economics or 3 hrs
  - ECO 4403 Industrial Organization and Game Theory or 3 hrs
  - STA 4322 Statistical Theory II 3 hrs

- Select 1 3 hrs
  - MAP 4113 Probability, Random Processes and
    Applications or 3 hrs
  - MAP 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
  - MAP 4384 Numerical Methods for Computational
    Sciences or 3 hrs

D. Computational Concentration 46 hrs
  Students are to have completed this course in the
  - COP 3502C Computer Science I 3 hrs

Complete all of the following
- COP 3503C Computer Science II 4 hrs
- COP 4303 Ordinary Differential Equations II 3 hrs
- COP 4341 Introduction to Partial Differential Equations 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

- Select 1 3 hrs
  - MAP 4371 Numerical Methods for Differential
    Equations or 3 hrs
  - MAP 4384 Numerical Methods for Computational
    Sciences or 3 hrs

- Select from the following 18 hrs
  - COP 3402 Systems Software or 3 hrs
  - COP 4020 Programming Languages I or 3 hrs
  - COP 4331C Processes for Object-Oriented Software
    Development or 4 hrs
E. Engineering/Physics Concentration

Students are to have completed the following 42 hrs to satisfy the GEP and CPP:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
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</tbody>
</table>

Complete all the following 18 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4402 Introduction to Complex Variables</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4103 Mathematical Modeling I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4303 Ordinary Differential Equations II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4341 Introduction to Partial Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 1 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 4500 Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3420 Engineering Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4371 Numerical Methods for Differential</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4384 Numerical Methods for Computational Equations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3151 Computer Methods in Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 1 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3220 Mechanics I</td>
<td>3 hrs</td>
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</tbody>
</table>

- Select 1 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3343 Thermodynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358 Thermo-Fluids-Heat Transfer or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513 Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 2 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C Structural Analysis I and Lab or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EAS 3101 Fundamentals of Aerodynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004 Electrical Networks or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601 Solid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3351 Mechanics of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3001 Introduction to Industrial Engineering and Management Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4220 Vibration Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312 Operations Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604 Wave Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605 Wave Mechanics II</td>
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- Select 2 6 hrs

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<th>Course</th>
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<tbody>
<tr>
<td>CWR 3201 Engineering Fluid Mechanics or</td>
<td>3 hrs</td>
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<tr>
<td>EAS 4105 Flight Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200 Analysis &amp; Design of Aerospace Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400 Spacecraft Attitude Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505 Orbital Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C Digital Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3365 Structure and Properties of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economic Analysis or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C Analog and Digital Communication Fundamentals or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3657 Linear Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801C Computer Organization or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C Embedded Systems or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750 Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4832 Engineering Applications of Computer Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4851C Engineering Data Structures or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EIN 4333 Production and Distribution Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 4223 Fundamentals of Mechanical Behavior of Materials or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 1 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 4203 Introduction to Combinatorics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 4301 Introduction to Graph Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- None

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
Course Descriptions

Mathematics and Statistics

1. **Course A: Calculus**
   - **MAA 227:** Advanced Calculus II (3 hrs)
   - **MAA 4402:** Introduction to Complex Variables (3 hrs)
   - **COP 3502:** Computer Science II (3 hrs)
   - **MAP 4303:** Ordinary Differential Equations II (3 hrs)
   - **Elective:** 3 hrs

2. **Course B: Analysis**
   - **MAA 427:** Advanced Calculus II (3 hrs)
   - **MAA 4402:** Introduction to Complex Variables (3 hrs)
   - **COP 3502:** Computer Science II (3 hrs)
   - **MAP 4303:** Ordinary Differential Equations II (3 hrs)
   - **Elective:** 3 hrs

3. **Course C: Algebra**
   - **MAS 4301:** Abstract Algebra I (3 hrs)
   - **COP 3223:** Introduction to Programming with C (3 hrs)
   - **MAP 4341:** Introduction to Partial Differential Equations (3 hrs)

**Advising Notes**

- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

**Plan of Study**

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/

**Freshman Year - Fall**

- **MAC 2311C:** Calculus with Analytic Geometry I (4 hrs)
- **ENC 1101:** Composition I (3 hrs)
- **GEP:** (3 hrs)
- **GEP:** (3 hrs)

**Freshman Year - Spring**

- **MAC 2312C:** 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 3315:** Calculus with Analytic Geometry III (4 hrs)
- **MAS 3106:** Matrix and Linear Algebra (3 hrs)
- **PHY 2043:** Physics for Engineers & Scientists I (4 hrs)
- **GEP:** (3 hrs)

**Sophomore Year - Spring**

- **MAP 2302:** Ordinary Differential Equations I (3 hrs)
- **MAS 3106:** Linear Algebra (3 hrs)
- **PHY 2043:** Physics for Engineers & Scientists II (4 hrs)
- **GEP:** (3 hrs)

**Junior Year - Fall**

- **MAA 4226:** Advanced Calculus I (4 hrs)
- **MAS 3431:** Abstract Algebra I (3 hrs)
- **COP 3223:** Introduction to Programming with C (3 hrs)
- **MAP 4341:** Introduction to Partial Differential Equations (3 hrs)
- **Elective:** 3 hrs

**Senior Year - Fall**

- **MAP 4341:** Introduction to Partial Differential Equations (3 hrs)
- **MAA 4227:** Advanced Calculus II (3 hrs)
- **MAA 4402:** Introduction to Complex Variables (3 hrs)
- **COP 3502:** Computer Science II (3 hrs)
- **MAP 4303:** Ordinary Differential Equations II (3 hrs)

**Senior Year - Spring**

- **MAP 4371:** Numerical Methods for Differential Equations (3 hrs)
- **Elective:** 3 hrs
- **Elective:** 3 hrs
- **Elective:** 3 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

http://education.ucf.edu/mathed

Dr. Janet Andreaesen, ED 123Q, Janet.Andreaesen@ucf.edu, 407-823-5430

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program 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)
   - Required SPC 1608 Fundamentals of Oral Communication (3 hrs)

   **B: Cultural & Historical Foundations**
   - (9 hrs)
   - Required AHM 2020 U.S. History: 1877-Present (3 hrs)
   - Required AHM 2413 U.S. History: 1877-Present (3 hrs)
   - Required PHI 2010 Introduction to Philosophy (3 hrs)

   **C: Mathematical Foundations**
   - (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I (4 hrs)
   - Required STA 2023 Statistical Methods I (3 hrs)
## 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:**
- Prefer ANT 2511 The Human Species 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

### 2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Take all of the following:**
- EDF 2005 Introduction to the Teaching Profession and Practice of Teaching ESOL Students in Schools 3 hrs
- EDF 2085 Introduction to Diversity for Educators and TSL 4080 Theory and Practice of Teaching ESOL in Kindergarten through Grade 12 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 (14 hrs)
- Students should consult advisor regarding course options.
  1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- STA 2023 Statistical Methods I GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
  1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 4. Core Requirements: Advanced Level (60 hrs)
- Education Core Requirements 18 hrs
  - Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
  - 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.
  - 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

### Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- MAE 4380 Mathematics Instructional Analysis 4 hrs
- MAE 3940 Internship 3 hrs

1 3 hours

### Specialization Requirements 23 hrs
- A grade of “C-” (1.75) or better is required.
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3303 Introduction to Number Theory 3 hrs
- MGF 3302 Logic and Proof in Mathematics 3 hrs
- MGF 4404 History of Mathematics 3 hrs
- MTG 4212 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs

### Internship II 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- Admissions
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required
- 120

### Honors in Major
- None
Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science

Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 205C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs
- Select 1: SPC 1603 Fundamentals of Technical Presentation or SPC 1608 Fundamentals of Oral Communication 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: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers I or PHY 2048C Physics for 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.
UCF Degree Programs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 1 MAC 2311 Calculus with Analytic Geometry I GEP
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 1 MAP 2302 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

Select 1: 4 hrs
- 1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- 1 CHM 2041 Chemistry Fundamentals IB 3 hrs
- 1 CHM 2040 Chemistry Fundamentals IA or 3 hrs
- 1 CHM 2045C Chemistry Fundamentals I or 4 hrs

1 A “C” (2.0) or better is required in this course.
2 A “C” (2.0) or better is required in this course.
3 A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 1st part of sequence.
4 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 2nd part of sequence.

2. 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.
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

3. Core Requirements: Advanced Level (63 hrs)

Required Courses: Advanced 33 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3334 Thermodynamics 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3301 Solid Mechanics 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs

- Select one of the following three options for your junior and senior year to complete your BSME:

Energy Systems Option 30 hrs
- EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
- EML 4703 Fluid Mechanics II and 3 hrs
- Approved Electives and 18 hrs
- Energy Systems Laboratory and 3 hrs
- EML 4143 Heat Transfer II 3 hrs

Mechanical Systems Option 30 hrs
- Approved Electives and 21 hrs
- EML 3500 Machine Design and Analysis and 3 hrs
- Mechanical Systems Laboratory and 3 hrs
- EML 4313 Intermediate System Dynamics and Controls 3 hrs

Materials Option 30 hrs
- EMA 3012C Experimental Techniques in Mechanics and 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
- EMA 3124 Design and Selection of Materials and 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
- Approved Electives 18 hrs

5. Restricted Electives
- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/Undergraduate.html

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1: 3 hrs
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
- None
- 8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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.
- EML 3990 Mechanical Career and Academic Faculty 0 hrs
- EML 4991 Mechanical Career and Academic Faculty 0 hrs

Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses

None

Plan of Study (128 hrs)

Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
EGN 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1: 4 hrs
CHS 1440 Fundamentals of Chemistry for Engineers or CHM 2045C Chemistry Fundamentals I or 4 hrs

Freshman Year - Spring 15 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists II 4 hrs
GEP 3 hrs

Freshman Year - Summer 10 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
GEP 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs

Sophomore Year - Fall 13 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring 12 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EME 4217 Engineering Mechanics - Dynamics 3 hrs

Sophomore Year - Summer 9 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Mechanical Systems Option

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 1 hrs
EML 3500 Machine Design and Analysis 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
EML 4313 Intermediate System Dynamics and Controls 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
EML 4991 Mechanical Career and Academic Faculty Advising 0 hrs

Select 1: 3 hrs
EML 4501C Engineering Design I or 3 hrs
EML 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring 12 hrs
Upper Division Elective 3 hrs
Mechanical Systems Laboratory 3 hrs
Upper Division Elective 3 hrs

Select 1: 3 hrs
EML 4502C Engineering Design II or 3 hrs
EML 4413C Interdisciplinary Design II 3 hrs

Energy Systems Option

Junior Year - Fall 15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
EML 3101 Thermodynamics of Mechanical Systems 3 hrs
EML 3990 Mechanical Career and Academic Faculty Advising 0 hrs
GEP 3 hrs

Junior Year - Spring 15 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4703 Fluid Mechanics II 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Senior Year - Fall 12 hrs
EML 4143 Heat Transfer II 3 hrs
EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Select 1: 3 hrs
EML 4501C Engineering Design I or 3 hrs
EML 4412C Interdisciplinary Design I 3 hrs

Materials Option

Junior Year - Fall 15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
EMA 3124 Design and Selection of Materials 3 hrs
EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
GEP 3 hrs

Junior Year - Spring 15 hrs
EML 4142 Heat Transfer 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Senior Year - Fall 12 hrs
EML 4102 Thermodynamics and Kinetics of Materials 3 hrs
EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Select 1: 3 hrs
EML 4501C Engineering Design I or 3 hrs
EML 4412C Interdisciplinary Design I 3 hrs
Senior Year - Spring 15 hrs
EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
GEP 3 hrs
 Select 1: 3 hrs
EML 4502C Engineering Design II or 3 hrs
EGN 4413C Interdisciplinary Design II 3 hrs

Program Academic Learning Compacts
• Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
• Part-Time Student: $45 per term
• Full-Time Student: $90 per term

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. P. E. Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
Phone: 407-823-5932

Admission Requirements
• Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
• Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
• UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
• Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
• This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program.
• Students with concerns or questions should contact the program to schedule an appointment with an advisor.
• All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

Degree Requirements
• Students who change degree programs and select this major must adopt the most current catalog.
• Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
• Students should consult with a departmental advisor.
• The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
• A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
• UCF Residency Requirement: 32 hours.
• The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
• An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Prefer MAC 1105C College Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs
2. Common Program Prerequisites (CPP) (25 hrs)
• See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Take all of the following: 4 hrs
BSC 2010C Biology I GEP
STA 2023 Statistical Methods I GEP
1 ZOO Human Anatomy 4 hrs
3733C
1 MCB General Microbiology 5 hrs
3020C
1 PCB 3703C Human Physiology 4 hrs

Take all of the following: 8 hrs
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I 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 4555C Immunodiagnostics 3 hrs
MLS 4910 Introduction to Clinical Research 1 hr
MLS 4550 Clinical Immunohematology 4 hrs
MLS 4640L Clinical Pathogenic Microbiology Lab 1 hr
MLS 4334 Hemostasis 3 hrs
MLS 4625L Advanced Clinical Chem I Lab 1 hr
PCB 3233L Immunology Laboratory 1 hr
MLS 3305L Hematology Lab 1 hr
MLS 4933 Medical Technology Seminar 2 hrs
MLS 3705 Concepts in Education/Management 3 hrs
MLS 4833L Interpreting & Practical Clinical Chemistry 4 hrs
MLS 4831L Interpretive & Practical Immunohematology 4 hrs
MLS 4832L Interpretive & Practical Hematology 4 hrs
MLS 4833L Diagnostic Microbiology 4 hrs
CGS 1060C Introduction to Computer Science 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

5. Restricted Electives
• None

6. Capstone Requirements
• None

7. Foreign Language Requirements
Admissions
• Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
• None

8. Electives
• None

9. Additional Requirements
• None

10. Required Minors
• None

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11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 126

Honors In Major

- None

Related Programs

- Biomedical Sciences
- Biology
- Chemistry

Certificates

- None

Related Minors

- Biomedical Sciences
- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

| Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) | 8 hrs |
| MCB 3020C General Microbiology | 5 hrs |

Plan of Study

Freshman Year - Fall

- ENC 1102 Composition I - 3 hrs
- MAC 1105 College Algebra - 3 hrs
- SPC 1608 Fundamentals of Oral Communication - 3 hrs
- CHM 2045C Chemistry Fundamentals I - 4 hrs
- CGS 1060C Introduction to Computer Science - 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II - 3 hrs
- BSC 2010C Biology I - 4 hrs
- CHM 2046L Chemistry Fundamentals Laboratory - 1 hr
- STA 2023 Statistical Methods I - 3 hrs

Select 1:

- ANI 2000 General Anthropology or
- SYG 2000 Introduction to Sociology or
- PSY 2012 General Psychology - 3 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I - 3 hrs
- ZOO 3733C Human Anatomy - 4 hrs

Select 1:

- POS 2041 American National Government or
- ECO 2013 Principles of Macroeconomics - 3 hrs

Take all of the following:

| Select 1: | 3 hrs |
| ECU 2000 Western Civilization I or |
| HUM 2210 Humanistic Tradition I or |
| AMH 2010 U.S. History: 1492-1877 |

Select 1:

- MUL 2010 Enjoyment of Music or
- THE 2000 Theatre Survey or
- REL 2300 World Religions or
- PHI 2010 Introduction to Philosophy - 3 hrs

Sophomore Year - Spring

- CHM 2211 Organic Chemistry II - 3 hrs
- CHM 2211L Organic Laboratory Techniques I - 2 hrs
- MCB 3020C General Microbiology - 5 hrs
- PCB 3703C Human Physiology - 4 hrs

Select 1:

- ECU 2001 Western Civilization II or |
- HUM 2230 Humanistic Tradition II or |
- AMH 2020 U.S. History: 1877-Present - 3 hrs

Junior Year - Fall

- MLS 3220C Techniques in Clinical Microscopy - 3 hrs
- MLS 4625 Advanced Clinical Chemistry I - 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab - 1 hr
- PCB 3233 Immunology - 3 hrs
- PCB 3233L Immunology Laboratory - 1 hr
- MLS 4430C Clinical Parasitology - 3 hrs

Junior Year - Spring

- MLS 3305 Hematology - 3 hrs
- MLS 3305L Hematology Lab - 1 hr
- MLS 4630 Advanced Clinical Chemistry II - 3 hrs
- MLS 4460L Clinical Pathogenic Microbiology Lab - 1 hr

Junior Year - Summer

- MLS 434 Hemostasis - 3 hrs
- MLS 4550 Clinical Immunohematology - 4 hrs

Senior Year - Fall

- MLS 4830L Interpretive & Practical Clinical Chemistry - 4 hrs
- MLS 4831L Interpretive & Practical Immunohematology - 4 hrs
- MLS 4832L Interpretive & Practical Hematology - 4 hrs
- MLS 4833L Diagnostic Microbiology - 4 hrs

Senior Year - Spring

- MLS 4910 Introduction to Clinical Research - 1 hr
- MLS 4500C Immunodiagnosics - 3 hrs
- MLS 4933 Medical Technology Seminar - 2 hrs
- MLS 3705 Concepts in Education/Management - 3 hrs
- BSC 3403C Quantitative Biological Methods - 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Music (B.A.)

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

http://music.cah.ucf.edu

Email: ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates
UCF Degree Programs

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
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MUH 3212 Music History and Literature II 3 hrs
   - Select one course from 1.B.1 list 3 hrs
   - Select one course from 1.B.2 or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - Suggested MGF 1106 Finite Mathematics or or
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam

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

   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 2121 Class Piano I 1 hr
   - MVK 2122 Class Piano II 1 hr
   - MVK 2123 Class Piano III 1 hr
   - MVK 2124 Class Piano IV 1 hr
   - MUN XXXX 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 2380C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives (33 hrs)
   - Restricted Electives-Music 15 hrs
   - 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
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper-level courses

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUH 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2126 Introduction to Music History and Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs

Undergraduate Catalog 2012-2013
Department of Music, Colburn Hall, Room: 205
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.

Sophomore Year - Fall
1. UCF General Education Program (GEP) (36 hrs)
   - 255

Junior Year - Spring
16 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MUS 2360C  Applied Piano  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- MUS 3010  Music Forum  0 hrs
- MUN XXXX  Ensemble  1 hr
- XXX 1120  Foreign Language  4 hrs

Senior Year - Fall
15 hrs
- MUT 2122  Class Piano IV  1 hr
- MUS 1010  Music Forum  0 hrs
- MUN XXXX  Ensemble  1 hr
- XXX 1121  Foreign Language  4 hrs

Junior Year - Fall
15 hrs
- MUH 3211  Music History and Literature I  3 hrs
- GEP B.1.  Cultural & Historical Foundation  3 hrs
- XXX 1121  Foreign Language  4 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

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equiipment 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, Colburn Hall, Room: 205
http://music.cah.ucf.edu

Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

Audition 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 prerequisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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 MUL 2016  Evolution of Jazz  3 hrs
- Select one course from 1.B.1 list  3 hrs
- Select one course from 1.B.1 list or 1.B.2 list  3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
- Suggested MGF 1106  Finite Mathematics or 3 hrs
- Suggested MGF 1107  Explorations in Mathematics or
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (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
MUN 3713  Jazz Lab  1 hr
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

1 Four semesters for total 4 hrs
3. Core Requirements: Basic Level (6 hrs)
- MUL 3170 Jazz Theory I 3 hrs
- MUS 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MVH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs

4. Core Requirements: Advanced Level (27 hrs)
- MUT 3170 Jazz Theory I 3 hrs
- MUS 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MVH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs

Select 1:
- MUH 3211 Music History and Literature I or 3 hrs
- MUH 3212 Music History and Literature II 3 hrs

5. Restricted Electives
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions:
  - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation:
  - None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course taken for two semesters each except restricted elective courses.
- 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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVX 141X Performance I 2 hrs

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Evolution of Jazz 3 hrs
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs
Sophomore Year - Fall 17 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 2121 Class Piano III 1 hr
- MUT 3170 Jazz Theory I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring 14 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUT 3171 Jazz Theory II 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 34X Performance III 3 hrs
- MUX 34XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

Junior Year - Fall 16 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 34X Performance III 3 hrs
- MUX 34XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

Senior Year - Fall 16 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- Social Foundation 3 hrs
- MVX 44X Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Spring 13 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MVX 44X Performance IV 4 hrs
- Social Foundation 3 hrs

■ Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVX 1XXX Performance I 2 hrs
- MVX 121X Secondary Performance 1 hr

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MVX 1XXX Performance I 2 hrs

Sophomore Year - Fall 17 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 2121 Class Piano III 1 hr
- MUT 3170 Jazz Theory I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MVX 2XXX Performance II 2 hrs

Sophomore Year - Spring 14 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUT 3171 Jazz Theory II 3 hrs
- MUS 1010 Music Forum 0 hrs
- Professional Sequence Entrance Review
- MVX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs

Junior Year - Fall 13 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 3XXX Performance III 3 hrs
- MVX 3XXX Restricted Electives 3 hrs
- MVX 121X Secondary Performance 1 hr

Junior Year - Spring 15 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3983 Recital Performance I 0 hrs
- MVX 3XXX Performance III 3 hrs
- Science Foundation 3 hrs

Senior Year - Fall 16 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- Social Foundation 3 hrs
- MVX 4XXX Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Spring 13 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVX 4XXX Performance IV 4 hrs
- GEP D.2 Social Foundation 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Composition Track (B.M.)
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
Email: musicaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.
Professional Sequence Entrance Review
■ Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
■ Approval of composition portfolio
■ Completion of Composition I and II
■ Completion of Performance I and II
■ Completion of MUS 2360C
■ Completion of MUT 2127, Music Theory and Musicianship IV
■ Completion of Class Piano IV
■ Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
■ This review is a pre-requisite for Composition level III.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ At least 65 hours of credit must be earned in music courses.
■ Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
■ Composition students must present one faculty-approved public recital.
■ Students should consult with a departmental advisor for course selection.
■ Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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
Required ENC 1102 Composition II
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Required MUN 3212 Music History and Literature I
Select one course from 1.B.1 list
Select one course from 1.B.2 list

C: Mathematical Foundations (6 hrs)
Math
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
MVF 141X Performance I (two semesters) 4 hrs
MVF 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUC 3211 Music History and Literature I 3 hrs
MUC 3212 Music History and Literature II GEP
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
1 MUC Composition III 3 hrs
2 MUC Composition IV 4 hrs
4106C
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

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, MUX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
■ Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
■ Ensemble assignment is by the Ensemble Directors.
■ Students must take Major Ensemble during each semester at UCF.
■ Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
■ If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
■ If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
■ Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
■ None

10. Required Minors
■ None
11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  MUS 2306C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- 16 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 2306C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 1 hr
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs
- 15 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUC 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- 15 hrs

Sophomore Year - Spring
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUC 2104C Composition II 2 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural/Historical Foundation 3 hrs
- 16 hrs

Junior Year - Fall
- MUT 3211 Music History and Literature I 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- 16 hrs

Junior Year - Spring
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUT 3212 Music History and Literature II 3 hrs
- MUC 4311 Orchestration 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Elective 3 hrs
- 16 hrs

Senior Year - Fall
- MUC 4106C Composition IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- 13 hrs

Senior Year - Spring
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUC 4950 Composition Recital 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- 13 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
  - This review is a pre-requisite for Performance level III.
**UCF Degree Programs**

- **Completion of the following courses:**
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

**Degree Requirements**

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/students](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.

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

2. **Cultural & Historical Foundations** (9 hrs)
   - Required MUH 3212 Music History and Literature I 3 hrs
   - Select one course from 1.B.1 list 3 hrs
   - Select one course from 1.B.2 list 3 hrs

3. **Mathematical Foundations** (6 hrs)
   - **Math**
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs

4. **Electives**
   - Select primarily from upper level courses. May be outside of the department.

5. **Graduation Exam**
   - None

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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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass
- Program B: Percussion

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall 17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Interview

Junior Year - Fall 17 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MUS 343X Performance III 3 hrs
- MUN XXXX Restricted Electives 1 hr
- MUN XXXX Minor Ensemble 1 hr

Junior Year - Spring 14 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MUS 343X Performance III 3 hrs
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

Senior Year - Fall 14 hrs
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Cultural & Historical Foundation 3 hrs
- MUS 444X Performance IV 4 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

Senior Year - Spring 12 hrs
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Cultural & Historical Foundation 3 hrs
- MUS 444X Performance IV 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

Program B: Percussion

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr
UCF Degree Programs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MVP 1411 Percussion I 2 hrs
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

Sophomore Year - Fall 17 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUN 3443 Percussion Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MVK 2121 Class Piano III 1 hr
MUN XXXX Major Ensemble 1 hr

Junior Year - Spring 17 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3443 Percussion Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Piano Forum 0 hrs
MVP 3431 Piano I 2 hrs
Social Foundation 3 hrs
Cultural & Historical Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Junior Year - Fall 17 hrs
MUH 3212 Music History and Literature I 3 hrs
MVP 3431 Piano I 2 hrs
MUS 1010 Piano Forum 0 hrs
MUN 3443 Percussion Ensemble 1 hr
MUS 3953 Recital Performance I 0 hrs
MUN XXXX Major Ensemble 1 hr

Senior Year - Spring 15 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUS 3953 Recital Performance II 0 hrs
MVP 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Senior Year - Fall 15 hrs
MUS 1010 Music Forum 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 4441 Piano IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
Free Elective 2 hrs

Program C: Piano

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVK 1411 Piano I 2 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
Science Foundation 3 hrs

Sophomore Year - Fall 16 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 2121 Class Piano III 1 hr
MUS 1010 Music Forum 0 hrs
MUG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs

Sophomore Year - Spring 14 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MGF 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs

Junior Year - Fall 15 hrs
MUH 3212 Music History and Literature I 3 hrs
MUL 3400 Piano Literature I 2 hrs
MUS 1010 Piano Forum 0 hrs
MUS 3453 Piano Ensemble 1 hr
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MVP 3431 Piano III 2 hrs
Cultural & Historical Foundation 3 hrs

Junior Year - Spring 15 hrs
MUH 3212 Music History and Literature II 3 hrs
MUL 3400 Piano Literature II 2 hrs
MUS 1010 Piano Forum 0 hrs
MUS 3453 Piano Ensemble 1 hr
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUS 3953 Recital Performance II 0 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Senior Year - Fall 15 hrs
MUS 1010 Music Forum 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 4441 Piano IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
Free Elective 2 hrs

Senior Year - Spring 14 hrs
MUS 1010 Music Forum 0 hrs
MUS 4954 Recital Performance II 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 4441 Piano IV 4 hrs
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs
Free Elective 3 hrs

Program D: Guitar

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUN 3487 Guitar Ensemble 1 hr
MUS 4146 Guitar I 2 hrs
MUK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
Science Foundation 3 hrs

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<table>
<thead>
<tr>
<th>Program E: Voice</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I 3 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I 4 hrs</td>
</tr>
<tr>
<td>MUS 1250</td>
<td>IPA for Singers 1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MUS 1111</td>
<td>Class Piano I 1 hr</td>
</tr>
<tr>
<td>MUS 3101</td>
<td>Basic Conducting 2 hrs</td>
</tr>
<tr>
<td>MUS 2300C</td>
<td>Introduction to Music Technology 3 hrs</td>
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<tr>
<td>MVV 1411</td>
<td>Voice I 2 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication 3 hrs</td>
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<tr>
<td>MUT 2126</td>
<td>Music Theory and Musicianship III 4 hrs</td>
</tr>
<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
</tr>
<tr>
<td>MVS 2426</td>
<td>Class Piano II 2 hrs</td>
</tr>
<tr>
<td>MVK 2121</td>
<td>Class Piano III 1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting 2 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel 3 hrs</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV 4 hrs</td>
</tr>
<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
</tr>
<tr>
<td>MVS 2426</td>
<td>Class Piano II 2 hrs</td>
</tr>
<tr>
<td>MVK 2122</td>
<td>Class Piano IV 1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting 2 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel 3 hrs</td>
</tr>
<tr>
<td>MVV 3431</td>
<td>German and English Lyric Diction 2 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
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<tbody>
<tr>
<td>MUH 3211</td>
<td>Music History and Literature I 3 hrs</td>
</tr>
<tr>
<td>MVS 3436</td>
<td>Guitar III 2 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
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<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
</tr>
<tr>
<td>MUS 1111</td>
<td>Class Piano I 1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MGS 1106</td>
<td>Finite Mathematics 3 hrs</td>
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<tr>
<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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<table>
<thead>
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<th>Junior Year - Spring</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>MUH 3212</td>
<td>Music History and Literature II 3 hrs</td>
</tr>
<tr>
<td>MUL 4437</td>
<td>String Literature and Pedagogy 3 hrs</td>
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<tr>
<td>MVS 3436</td>
<td>Guitar III 2 hrs</td>
</tr>
<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MUS 3953</td>
<td>Recital Performance I 0 hrs</td>
</tr>
<tr>
<td>MUS 3436</td>
<td>Guitar IV 4 hrs</td>
</tr>
<tr>
<td>MUX 3434</td>
<td>Restricted Electives 3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
</tr>
<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MUX 3434</td>
<td>Restricted Electives 3 hrs</td>
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<tr>
<td>Free Elective</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Voice 1 hr</td>
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<tr>
<td>MUS 4954</td>
<td>Recital Performance II 0 hrs</td>
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<tr>
<td>MUN 3487</td>
<td>Guitar Ensemble 1 hr</td>
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<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3434</td>
<td>Restricted Electives 3 hrs</td>
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<tr>
<td>Free Elective</td>
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<thead>
<tr>
<th>Program Academic Learning Compacts</th>
<th></th>
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<tbody>
<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
<td><a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
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<table>
<thead>
<tr>
<th>Equipment Fees</th>
<th></th>
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<tbody>
<tr>
<td>Part-Time Student</td>
<td>$45 per term</td>
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<tr>
<td>Full-Time Student</td>
<td>$90 per term</td>
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<table>
<thead>
<tr>
<th>Music Education (B.M.E.)</th>
<th></th>
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<tbody>
<tr>
<td>College of Arts and Humanities</td>
<td></td>
</tr>
<tr>
<td>Department of Music, Colbourn Hall, Room: 205A</td>
<td><a href="http://music.cah.ucf.edu/">http://music.cah.ucf.edu/</a></td>
</tr>
<tr>
<td>Email: <a href="mailto:musicaud@ucf.edu">musicaud@ucf.edu</a></td>
<td></td>
</tr>
<tr>
<td>Dr. Donald Allen, <a href="mailto:donald.allen@ucf.edu">donald.allen@ucf.edu</a>, 407-823-6749</td>
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</table>

<table>
<thead>
<tr>
<th>Admission Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Requirements - Music Education</td>
<td></td>
</tr>
<tr>
<td>Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).</td>
<td></td>
</tr>
<tr>
<td>Memorization is required for pianists and vocalists.</td>
<td></td>
</tr>
<tr>
<td>Accompanists are provided for vocalists only.</td>
<td></td>
</tr>
<tr>
<td>Each candidate must bring his/her own audition music.</td>
<td></td>
</tr>
</tbody>
</table>
### UCF Degree Programs

- 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.)* 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)*

<table>
<thead>
<tr>
<th>Preferred Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

**Take all of the following:** *(6 hrs)*

- **Required**
  - ENC 1101 | Composition I and
  - ENC 1102 | Composition II

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

- **Required**
  - MUH 3212 | Music History and Literature II
  - AMH 2010 | U.S. History: 1452-1877
- **Preferred**
  - AMH 2020 | U.S. History: 1877-Present

### C: Mathematical Foundations *(6 hrs)*

- **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.

### Statistics - Computers *(3 hrs)*

- Select a course from GEP C2 list

### D: Social Foundations *(6 hrs)*

- **Prefer**
  - POS 2041 | American National Government
  - PSY 2012 | General Psychology

### E: Science Foundations *(6 hrs)*

- **Prefer**
  - PSC 1121 | Physical Science

### 2. Common Program Prerequisites (CPP) *(38 hrs)*

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

### Core Requirements: Basic Level *(5 hrs)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
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<tr>
<td>MUT 2126</td>
<td>Music Theory and Musicianship III</td>
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<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
</tr>
<tr>
<td>MVK 2122</td>
<td>Class Piano IV</td>
</tr>
<tr>
<td>MVK XXXX</td>
<td>Major Ensembles (4 semesters)</td>
</tr>
<tr>
<td>MVX 141X</td>
<td>Performance I (2 semesters)</td>
</tr>
<tr>
<td>MVX 242X</td>
<td>Performance II (2 semesters)</td>
</tr>
</tbody>
</table>

1. **4 semesters**

### Music Education Prerequisites - Basic *(5 hrs)*

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensembles (2 semesters)</td>
</tr>
</tbody>
</table>

### Core Requirements: Advanced Level *(29 hrs)*

- **MUG 3104** | Basic Conducting |
- **MUH 3211** | Music History and Literature I |
- **MUH 3212** | Music History and Literature II |
- **MUE 3942** | Music Internship I |

### Music Education Prerequisites - Advanced *(17 hrs)*

- **MUG 3104** | Basic Conducting and |
- **MUH 3211** | Music History and Literature I and |
- **MUH 3212** | Music History and Literature II and |
- **MUE 3942** | Music Internship I and |
- **MUE 4311** | Elementary School Music Methods and |
- **MUE 3333** | Music Learning Theory and Assessment and |
- **MVX 343X** | Performance III (2 Semesters) |

### Education Core *(12 hrs)*

<table>
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<tbody>
<tr>
<td>EDS 4410</td>
<td>Teaching Strategies and Classroom Management and</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESL and</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools and</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
</tr>
</tbody>
</table>
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
MUE 3302 Instrumental Conducting and Materials 2 hrs
MUE 4332 Secondary Instrumental Methods I 3 hrs
MUE 4943 Music Internship II 12 hrs

Select 1:
MUE 4337 Secondary Instrumental Methods II or 3 hrs
MUE 4441 String Methods 3 hrs

Select 2:
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
MV 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 1:
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
MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

Select 1:
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

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 an University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.
UCF Degree Programs

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:
  - MUE 3093 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 134

Honors In Major
- None

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.

Program A - Instrumental Program K-12:

**Freshman Year - Fall**
- 17 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MVK 1111 Class Piano I 1 hr
  - MUE 2346 Vocal Techniques 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr

**Freshman Year - Spring**
- 16 hrs
  - Take General Knowledge Test
  - MUL 2104 Introduction to Music History and Literature 3 hrs
  - MVK 1112 Class Piano II 1 hr
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MUS 1010 Music Forum 0 hrs

**Sophomore Year - Fall**
- 15 hrs
  - MUT 2126 Music Theory and Musicianship III 4 hrs
  - MVK 2121 Class Piano III 1 hr
  - MUE 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs

**Sophomore Year - Spring**
- 16 hrs
  - Apply for Professional Program
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MVK 2122 Class Piano IV 1 hr
  - MUE 3212 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 hrs

**Sophomore Year - Spring**
- 16 hrs
  - Take General Knowledge Test
Junior Year - Fall 15 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- EDG 4323 Professional Teaching Practices 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Spring 17 hrs
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- Select 1: 3 hrs
- MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Senior Year - Fall 14 hrs
- Take PET and Music Examination of FTCE
  - ESE 3940 Internship I - Secondary 7 hrs
  - MUE 3333 Music Learning Theory and Assessment 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - Students in Schools
  - MUE 4311 Elementary School Music Methods 2 hrs
  - GEP 3 hrs
  - CMENC

Senior Year - Spring 15 hrs
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs

Senior Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Program B - Choral Program K-12
Freshman Year - Fall 17 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1250 IPA for Singers 1 hr
- MUS 1010 Music Forum 0 hrs
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Freshman Year - Spring 16 hrs
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall 17 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- GEP 6 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring 16 hrs
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUS 1010 Music Forum 0 hrs
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
Sophomore Year - Fall 15 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUE XXX Techniques 2 hrs
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr

Junior Year - Fall 15 hrs
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- EDG 4323 Professional Teaching Practices 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MUE 4393 Music and Students with Special Needs 2 hrs
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- GEP 3 hrs

Senior Year - Fall 15 hrs
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4331 Secondary Choral Methods I or TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- Students in Schools 3 hrs
- GEP 3 hrs

Senior Year - Summer 9 hrs
- Remaining 3 GEP courses taken as part of 9 required summer hours

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

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 postsecondary deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application for admission to the University must also be submitted by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.00) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab 4 hrs
General Chemistry (or other approved science) 3 hrs
#### UCF Degree Programs

<table>
<thead>
<tr>
<th>Group B</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of three courses, with grade of C (2.0) or better at time of application.</td>
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</tr>
<tr>
<td>All courses must be completed before program begins.</td>
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<tr>
<td>Sociology</td>
<td>3 hrs</td>
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<tr>
<td>Psychology</td>
<td>3 hrs</td>
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<tr>
<td>Developmental Psychology</td>
<td>3 hrs</td>
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<tr>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.
- UCF Residency Requirement: 30 hours.

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

**Note:** Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

**A: Communication Foundations (9 hrs)**
- **B: Cultural & Historical Foundations (9 hrs)**
- **C: Mathematical Foundations (6 hrs)**
  - **1. Mathematics (3 hrs)**
    - You may substitute a higher level math with appropriate scores on the Math Placement Test.
    - Prefer MAC 1105C College Algebra 3 hrs
  - **2. Statistics (3 hrs)**
    - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations (6 hrs)**
- **1. Economics/Political Science (3 hrs)**
  - Prefer ECO 2213 Principles of Macroeconomics or ECO 2214 Principles of Microeconomics 3 hrs
  - Prefer POS 2041 American National Government 3 hrs
- **Social Sciences (3 hrs)**
  - Prefer PSY 2012 General Psychology or 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 3 hrs

**Select 1:**
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

**Select 2:**
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

**Select 1:**
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

1 or other approved Science

**3. Core Requirements: Basic Level**

**None**

**4. Core Requirements: Advanced Level (62 hrs)**

**Any variation from the following must be approved in advance by the College of Nursing.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>NUR 3085</td>
<td>Health Assessment</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3085L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
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<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
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<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
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<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
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<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
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<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
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<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**5. Restricted Electives (3 hrs)**

**Nursing Electives**
- One College of Nursing elective

**6. Capstone Requirements**

**None**

**7. Foreign Language Requirements**

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

**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
- 122

Honors in Major
Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course or approved Science course.
  - HUN 3011: May substitute any Human Nutrition course.
  - MCB 2004C: May substitute any 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
- 13 hrs
  - MAC 1105C College Algebra 3 hrs
  - BSC 2010C Biology I 4 hrs
  - GEP 3 hrs

Select 1:
- SYG 2000 Introduction to Sociology or
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- 13 hrs
  - 1 STA 2023 Statistical Methods I 3 hrs
  - CHM 1032 General Chemistry 3 hrs
  - GEP 3 hrs

Sophomore Year - Fall
- 13 hrs
  - NUR 3225 The Role of the Professional Nurse 2 hrs
  - NUR 3065 Health Assessment 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr
  - NUR 3028 Essentials of Nursing Practice 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 3028L Essentials of Nursing Practice Lab 1 hr
  - NUR 3634 Community Health Nursing 3 hrs
  - NUR 3634L Community Health Nursing Clinical 2 hrs

Sophomore Year - Spring
- 13 hrs
  - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
  - NUR 3145 Pharmacology for Nursing Practice 3 hrs
  - NUR 3225 Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445 Nursing Care of Families 3 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Fall
- 15 hrs
  - NUR 3634 Community Health Nursing 3 hrs
  - NUR 3634L Community Health Nursing Clinical 2 hrs

Junior Year - Spring
- 16 hrs
  - NUR 3065 Health Assessment 2 hrs
  - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
  - NUR 3225 Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445 Nursing Care of Families 3 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer
- 6 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 1 hr
  - NUR 3755L Essentials of Nursing Practice Lab 1 hr

Senior Year - Fall
- 12 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
  - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
  - NUR 4535L Psychiatric Mental Health Clinical 2 hrs

Senior Year - Spring
- 13 hrs
  - NUR 3165 Nursing Research 3 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

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

UCF Degree Programs
A partnership between selected State/Community Colleges 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 State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to UCF and College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students not yet admitted to UCF must make application and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at the State/Community College ASN Nursing program.
- An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college 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 State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)

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 (52 hrs)

Upper Division Credit (27 hrs)
- May be met by validation

C: Mathematical Foundations (6 hrs)
- Prefer MAC 1105C College Algebra 3 hrs

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Prefer SYG 2000 Introduction to Sociology or 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

Select 1:
- 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

E: Science Foundations (7 hrs)
- 1 Required BSC 2010C Biology I 4 hrs
- 2 Required CHM 1032 General Chemistry 3 hrs
- 3 PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs

Select 1:
- STA 2023 Statistical Methods I or GEP
- 3 STA 2014C Principles of Statistics GEP

Select 1:
- SOW 3104 Assessing I: Human Development or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- 3 PSY 2012 General Psychology or GEP
- 3 SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
3 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor regarding prerequisite requirements.
### UCF Degree Programs

**NUR 3225L** Nursing Care of the Adult I: Clinical - 2 hrs  
**NUR 3445** Nursing Care of Families - 3 hrs  
**NUR 3445L** Nursing Care of Families Clinical - 2 hrs  
**NUR 4227** Nursing Care of the Adult II - 4 hrs  
**NUR 4227L** Nursing Care of the Adult II: Clinical Practice - 3 hrs  
**NUR 4535** Psychiatric Mental Health Nursing - 3 hrs  
**NUR 4535L** Psychiatric Mental Health Clinical - 2 hrs

#### 5. Restricted Electives (6 hrs)
Any two upper division nursing electives

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- 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
- 45 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**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

Stephen Heglund, RN to BSN Coordinator  
Dr. Linda Hennig, Assoc. Dean Undergraduate  
Dr. Jean Leuner, 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 Community or State College 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 2.5

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3634 - Community Health Nursing.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3634 - Community Health Nursing.

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
   - 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 (3 hrs)

   **D: Social Foundations** (6 hrs)
   - Select 1: (3 hrs)
     - 1 Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology (3 hrs)
     - 1 Required
### 2. Common Program Prerequisites (CPP) (18 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics (3 hrs)</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics (3 hrs)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government (3 hrs)</td>
</tr>
</tbody>
</table>

1. One of these courses is required to meet General Education Requirements.

### E: Science Foundations (6 hrs)

- **Required:**
  - BSC 2010C: Biology I (4 hrs)
  - CHM 1032: General Chemistry (3 hrs)

2. **Science Foundations:** 6 credit hours for General Education Program. The Science course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition (HUN 3011)

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (51 hrs)

#### UCF Core
- **Dimensions of Professional Nursing Practice** (3 hrs)
- **Health Assessment** (2 hrs)
- **Health Assessment Lab** (1 hr)
- **Nursing Research** (3 hrs)
- **Community Health Nursing** (3 hrs)
- **Health Care Issues, Policy, and Economics** (3 hrs)
- **Practicum in Community and Public Health Nursing for RNs** (4 hrs)
- **Nursing Leadership, Management and Role Transition** (3 hrs)
- **Public Health Nursing** (2 hrs)

#### Upper Division Credit
- **27 hrs**
- **Upper Division Credit** may be met by Validation and RN License.
- **Essentials of Nursing Practice** (2 hrs)
- **Essentials of Nursing Practice Clinical** (2 hrs)
- **Essentials of Nursing Practice Lab** (1 hr)
- **Nursing Care of the Adult I** (3 hrs)
- **Nursing Care of the Adult I: Clinical Practice** (2 hrs)
- **Nursing Care of Families** (3 hrs)
- **Nursing Care of Families Clinical** (2 hrs)

#### UCF Degree Programs
- **NUR 4227** Nursing Care of the Adult II (4 hrs)
- **NUR 4227L** Nursing Care of the Adult II: Clinical Practice (3 hrs)
- **NUR 4535** Psychiatric Mental Health Nursing (3 hrs)
- **NUR 4535L** Psychiatric Mental Health Clinical (2 hrs)

### 5. Restricted Electives (6 hrs)
- Any two upper division nursing electives (NUR or NSP prefix)

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

#### Graduation
- None

### 8. Electives
- Variable to meet degree requirements

### 9. Additional Requirements
- A criminal background check and mandatory Drug Screening are required prior to application 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 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.
- Prior to NUR 3634: Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) complete foreign language admission requirement.

#### Other:
- Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
- The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Completion of all courses in major with a grade of "C" (2.0) or better
- Overall cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required
- 120

#### Honors In Major
- Contact Program Coordinator or HIM Advisor

#### Related Programs
- Health Services Administration
- Social Work

#### Certificates
- Aging Studies
Related Minors

- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

Advising Notes

- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)

- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall

- NUR 3805 Dimensions of Professional Nursing 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring

- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer

- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall

- NUR 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 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ufl.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Philosophy (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: Philosophy2@ucf.edu

Dr. Don Jones, Don.Jones@ucf.edu, 407-823-2273
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273
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)

B: Cultural & Historical Foundations (9 hrs)

Required HUM 2210 Humanistic Tradition I 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)

Math 6 hrs
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level

Core 6 hrs

1 PHI 3083 Research Methods in Philosophy 3 hrs
PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning 6 hrs

Select 2: 6 hrs

PHI 2011 Philosophical Reasoning or 3 hrs
PHI 2010 Formal Logic I or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 2647 Logic and Ethics or 3 hrs
PHI 3131 Formal Logic II 3 hrs

History of Philosophy 9 hrs

Select 2: 6 hrs

PHH 3100 Ancient Philosophy or 3 hrs
PHH 3200 Medieval Philosophy or 3 hrs
PHH 3469 Modern Western Philosophy 3 hrs

Select 1: 3 hrs

PHH 3600 Contemporary Philosophy or 3 hrs
PHH 3510 Marx and Nietzsche or 3 hrs
PHH 3700 American Philosophy or 3 hrs
PHH 3790 African Philosophy 3 hrs

Values and Society 6 hrs

Select 2: 6 hrs

PHI 3670 Ethical Theory or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4633 Ethics and Biological Science or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs
PHM 4031 Environmental Philosophy or 3 hrs
PHI 3701 Native American Philosophy or 3 hrs
PHI 3805 Contemporary Aesthetics 3 hrs
HUM 4823 Queer Theory in the Humanities 3 hrs
### Being and Knowing 6 hrs

Select 2: 6 hrs
- PHI 4500 Metaphysics or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4420 Philosophy of Social Science or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHP 4782 Phenomenology or 3 hrs
- PHI 4221 Philosophy of Language 3 hrs

### Topics in Philosophy 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 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modesty 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 3766 Existentialism or 3 hrs
- HUM 4350 Performance Theory or 3 hrs
- PHI 4935 Topics in Philosophy of Mind or 3 hrs

### 5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

#### Computer Competency met by one of the following: 3 hrs

- PHI 4970H Undergraduate Honors Thesis or 1 hr
- PHI 4938 Senior Research Seminar or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

#### Total Semester Hours Required

- 120

### Honors In Major

- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

#### Core Requirements 36 hrs

- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

#### Upper Division Restricted Electives 6 hrs

- Same as requirement for regular majors

#### Honors Thesis

- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

### Additional Requirements

- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following courses:
  - PHI 4903H Honors Directed Reading I 1 hr
  - PHI 4970H Undergraduate Honors Thesis 1 hr

### Related Programs

- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

### Certificates

- None

### Related Minors

- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall 16 hrs

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs
- SPN 1100C 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

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**UNIVERSITY OF CENTRAL FLORIDA**

275 Undergraduate Catalog 2012-2013
## UCF Degree Programs

### Photography (B.S.)

**School of Visual Arts and Humanities**  

Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-Studio B.F.A. programs.) The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Admission Requirements

- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### UCF Degree Programs

#### Undergraduate Catalog 2012-2013

**UCF General Education Program (GEP) (36 hrs)**

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

  **A: Communication Foundations (9 hrs)**
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - SPC 2600 Speech (A.S.) 3 hrs

  1 If not already completed as part of the A.S. degree, after acceptance into the program.

  **B: Cultural & Historical Foundations (6 hrs)**
  - Required ARH 2051 History of Western Art II 3 hrs

  1 If not already completed as part of the A.S. degree, after acceptance into the program.

  **C: Mathematical Foundations (6 hrs)**
  - Required MAC 1105C College Algebra or
  - MGF 2106 College Mathematics or
  - MGF 2107 Mathematics for Liberal Arts
  - Computer Science or Statistics

  3 hrs

  **D: Social Foundations (6 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
  - Life Science

  3 hrs

**2. Common Program Prerequisites (CPP)**

- (Included in A.S. or B.S. requirements.)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.

**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 (36 hrs)**

### Photographic Lighting Techniques 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3205C</td>
<td>Photographic Lighting Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3651C</td>
<td>Narrative Editorial Photography 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PGY 1403*</td>
<td>Fundamentals of Photography (Already included in A.S. requirements)</td>
<td></td>
</tr>
</tbody>
</table>

*Required ARH 2051 History of Western Art II |
*Already included in A.S. requirements.
*Already included in B.S. requirements.

**Notes:**

1. Only one of these two courses may be selected
2. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
3. Subject to change. Prerequisites have not been set by the state.

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<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>Restricted Elective</td>
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<td>3 hrs</td>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHI 3083</td>
<td>Research Methods in Philosophy</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
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**Sophomore Year - Spring**

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>GEP</td>
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<td>GEP</td>
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<td>GEP</td>
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### Junior Year - Fall

<table>
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<tr>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3651C</td>
<td>Narrative Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3653C</td>
<td>Advanced Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4003C</td>
<td>Image, Culture, and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4228C</td>
<td>Advanced Illustrative Photography</td>
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<tr>
<td>PGY 4471C</td>
<td>Photography Thesis</td>
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<tr>
<td>PGY 3276</td>
<td>The Professional Environment</td>
<td>3 hrs</td>
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<td>PGY 3205C</td>
<td>Photographic Lighting Techniques</td>
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</tr>
<tr>
<td>PGY 3651C</td>
<td>Narrative Editorial Photography</td>
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</tr>
<tr>
<td>PGY 3653C</td>
<td>Advanced Editorial Photography</td>
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<td>PGY 3002C</td>
<td>Contemporary Photography</td>
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<td>PGY 3821C</td>
<td>Advanced Digital Photography</td>
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<tr>
<td>PGY 4472C</td>
<td>Photo Visualization</td>
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### Senior Year - Spring

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<tr>
<td>PHI 4938</td>
<td>Senior Research Seminar</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
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### Junior Year - Spring

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### Senior Year - Fall

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<tr>
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### Senior Year - Spring

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<td>3 hrs</td>
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</table>
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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I
- Required COP 3502C Computer Science I

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

1. Physical Science; (4 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I

2. Life sciences; (3 hrs)
- Select from the E2. GEP list

5. Restricted Electives (6 hrs)
Select two of the following courses:
- PGY 3451C Alternative Processes
- PGY 4493C Photography and Art
- PGY 3480 Museum and Gallery Practices
- PGY 4472C Photo Visualization
- PGY 4941 Internship
- PGY 4235C Professional Photographic Workshop

6. Capstone Requirements
- None

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by 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
- None

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
2. Common Program Prerequisites (CPP) (20 hrs)
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select one of the following sequences of courses:
CHM 2045C Chemistry Fundamentals I 4 hrs
or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (36 hrs)
- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I CPP
- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP
- and
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II CPP

Core: Additional requirements
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory Requirement
PHY 3802L Intermediate Physics Laboratory 6 hrs

And either
PHY 3752C Physics of Scientific Instruments or 3 hrs
PHY 3722C Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level
- Select one specialization

4.1. General Physics Specialization (18 hrs)
PHY 4803L Advanced Physics Laboratory 3 hrs

- Restricted Electives: 6 hrs
Select from upper division PHY, PHZ, or AST courses

- Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization (18 hrs)
- Select 1 3 hrs
PHY 4803L Advanced Physics Laboratory or 3 hrs
EEL 5356C Fabrication of Solid-State Devices 4 hrs

- Select 3 9 hrs
EEL 3350 Semiconductor Devices I or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EMA 4413 Fundamentals of Electronic Materials or 3 hrs

- Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization (18 hrs)
PHY 4424 Optics 3 hrs

- Select 2 6 hrs
EEL 4440 Optical Engineering or 3 hrs
PHY 4445 Lasers or 3 hrs
OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
OSE 5312 Light Matter Interaction or 3 hrs
OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs

- Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization (19 hrs)
PHZ 3151 Computer Methods in Physics 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COT 4503 Numerical Calculus 3 hrs

- Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization (18 hrs)
AST 2002 Astronomy 3 hrs

- Select one 3 hrs
AST 4700 Experimental Methods in Astronomy or 3 hrs
AST 4762C Astronomical Data Analysis or 3 hrs
AST 5765C Advanced Astronomical Data Analysis 3 hrs

- and 6 hrs
Select from upper division AST courses

- Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- 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
- Electrical Engineering
- Mechanical Engineering

Certificates
- None

Related Minors
- Mathematics
- Physics
- Astronomy

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://math.sdes.ucf.edu/
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Note: Lab may be taken later if seats are not available
- GEP 3 hrs

Sophomore Year - Fall
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- COP 3502C Computer Science I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- PHY 3113 Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 3802L Intermediate Physics Laboratory 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- PHY 3220 Mechanics I 3 hrs
- PHY 4324 Electricity and Magnetism II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall
- PHY 4604 Wave Mechanics I 3 hrs
- PHY 4912 Independent Research 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- PHY 4605 Wave Mechanics II 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

Physics Test-Nationally normed

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

Political Science (B.A.)

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
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
   - POS 3703 Scope and Methods of Political Science

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. 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
   - Required ENC 1102 Composition II
   - Prefer SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations** (9 hrs)
   - Prefer AMH 1030 U.S. History: 1492-1877
   - Prefer AMH 2020 U.S. History: 1877-Present
   - Select from GEP B.2 list

   **C: Mathematical Foundations** (6 hrs)
   - 1. Math (3 hrs)
     - Prefer MGF 1106 Finite Mathematics
     - Prefer MGF 1107 Explorations in Mathematics
   - 2. Statistics (3 hrs)
     - Prefer STA 2014C Principles of Statistics
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   **D: Social Foundations** (6 hrs)
   - Required POS 2041 American National Government
   - Select from GEP D.2 list

   **E: Science Foundations** (6 hrs)
   - 2. Common Program Prerequisites (CPP) (3 hrs)
     - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
     - See Transfer Notes for possible substitutes.

   **3. Core Requirements: Basic Level** (9 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.

   **4. Core Requirements: Advanced Level** (9 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.

   **5. Restricted Electives** (30 hrs)
   - Choose one of the following tracks.

   **Track 1: American Politics and Policy** (30 hrs)
   - Five courses from Area A
   - Two courses from Area B
   - Two courses from Area C
   - One additional course from any Area

   **Track 2: International Relations-Comparative Politics**
   - No more than one of the following courses may be considered part of area B credit:
     - INR 4351 International Environmental Law or
     - INR 4401 International Law or
     - INR 4404 Space Law
     - Two courses from Area A
     - Five courses from Area B
     - Two courses from Area C
     - One additional course from any Area

   **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 4047 Latino Politics or
   - POS 4142 Metropolitan Politics or
   - POS 4204 Political Behavior or
   - POS 4204 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 5204 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

**B. International Relations and Comparative Government Area**
   - CPO 3034 Politics of Developing Areas 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 4047 Politics of the NAFTA Region 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 Perspective or
   - CPO 4794 Indigenous Politics and the Environment or
   - GEO 3471 World Political Geography or
   - IDS 4315 Global Perspectives or
   - INR 2002 International Relations-Theory and Practice or
   - INR 3016 Global Political Issues or
9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

120

Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs

- Economics
- History

Certificates

- Diplomacy

Related Minors

- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>GEP-Math</td>
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<td>GEP</td>
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<td>3 hrs</td>
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</table>
**UCF Degree Programs**

**Political Science - Prelaw Track (B.A.)**

**College of Sciences**

**Department of Political Science, Howard Phillips Hall, Room: 302**

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

**Email: politics@ucf.edu**

Dr. Kerstin Hamann
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

**Freshman Year - Spring**

- AMH 2020  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition I I  3 hrs
- GEP  3 hrs
- GEP  3 hrs

**Sophomore Year - Fall**

- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Foreign Language  4 hrs

**Sophomore Year - Spring**

- POS 3703  Scope and Methods of Political Science  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Foreign Language  4 hrs
- GEP  3 hrs

**Junior Year - Fall**

- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

**Junior Year - Spring**

- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

**Senior Year - Fall**

- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

**Senior Year - Spring**

- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Double major/dual degree policy in Political Science programs and minors**

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
   - POS 2041 American National Government  3 hrs
   - POS 3703 Scope and Methods of Political Science  3 hrs
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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

   **A: Communication Foundations**  (9 hrs)
   - Required ENC 1101  Communication I  3 hrs
   - Required ENC 1102  Communication II  3 hrs
   - Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs

   **B: Cultural & Historical Foundations**  (9 hrs)
   - Prefer AMH 2020  U.S. History: 1877-Present  3 hrs
   - Select a course from GEP B.2. list  3 hrs

   **C: Mathematical Foundations**  (6 hrs)
   - Math:  3 hrs
   - Prefer MGF 1106  Finite Mathematics or  3 hrs
   - Prefer MGF 1107  Explorations in Mathematics or  3 hrs

   **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.  3 hrs

   **D: Social Foundations**  (6 hrs)
   - Political Science  3 hrs
   - Required POS 2041  American National Government  3 hrs

   **Social Science**  (3 hrs)
   - Select one of the listed courses  3 hrs

   **E: Science Foundations**  (6 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   **3. Core Requirements: Basic Level**
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - POS 2041  American National Government  GEP/CPP
4. Core Requirements: Advanced Level (3 hrs)
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
     - POS 3703: Scope and Methods of Political Science
     - POS 4294: Judicial Process and Politics

5. Restricted Electives (27 hrs)
   - Select from the following courses:
     - POS 4603: American Constitutional Law I or 3 hrs
     - POS 4604: American Constitutional Law II or 3 hrs
     - INR 4401: International Law 3 hrs
   - And, select one of the following options: (See 24 hrs
     - Five courses from area A and 15 hrs
     - Two courses from area B and 6 hrs
     - One course from area C 3 hrs
     - OR 24 hrs
     - Two courses from area A and 6 hrs
     - Five courses from area B and 15 hrs
     - One course from area C 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement
   - Graduation
     - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
   - The following courses are not required, but serious students should consider taking these as free electives.
     - ACG 2021: Principles of Financial Accounting 3 hrs
     - ACG 2071: Principles of Managerial Accounting 3 hrs
     - BUL 3130: Legal and Ethical Environment of Business 4 hrs
     - ENC 3241: Writing for the Technical Professional 3 hrs
     - ENC 3250: Professional Writing 3 hrs
     - LIN 4105: History of the English Language 3 hrs
     - MIF 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 4841L: Political Science Internship 3 hrs

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
   - 120

Honors In Major
   - Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
   - Economics
   - History
   - Philosophy
   - Legal Studies
   - Criminal Justice

Certificates
   - Diplomacy

Related Minors
   - Business
   - Criminal Justice
   - Diplomacy
   - Economics
   - English - Creative Writing
   - English - Technical Communication
   - Entrepreneurship: For Non-Business Majors
   - History
   - Interpersonal/Organizational Communication
   - Legal Studies
   - Mass Communication
   - Philosophy
   - Public Administration
   - Sociology
   - Writing and Rhetoric

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for upper division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
     - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
     - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
   - This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   - Prior to enrolling in Math, take Math Placement Test – http://math.sdes.ucf.edu
   - Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
   - POS 2041: American National Government 15 hrs
   - AMH 2010: U.S. History: 1492-1877 3 hrs
   - GEP-Math 3 hrs
   - ENC 1101: Composition I 3 hrs
   - GEP 3 hrs

Freshman Year - Spring
   - AMH 2020: U.S. History: 1877-Present 3 hrs
   - ENC 1102: Composition II 3 hrs
   - STA 2014C: Principles of Statistics 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
Sophomore Year - Fall
- Restricted Elective: 3 hrs
- Foreign Language: 4 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs
- GEP: 3 hrs

Sophomore Year - Spring
- POS 3703: Scope and Methods of Political Science: 3 hrs
- Restricted Elective: 3 hrs
- Supporting Elective: 3 hrs
- Foreign Language: 4 hrs
- GEP: 3 hrs

Junior Year - Fall
- POS 4284: Judicial Process and Politics: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Supporting Elective: 3 hrs

Junior Year - Spring
- Restricted Elective: 4 hrs
- Supporting Elective: 4 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs

Senior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs

Senior Year - Spring
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 4 hrs
- Supporting Elective: 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Phone: 407-823-2216

Contact: Psychology Advising Center, PSY 250, 407-823-2219;

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term)
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.

- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.
- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Math:
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Prefer MAC 1105C College Algebra: 3 hrs

Statistics:
- Required STA 2023: Statistical Methods I or STA 2014C: Principles of Statistics: 3 hrs

D: Social Foundations (6 hrs)
Social Sciences:
- Required PSY 2012: General Psychology: 3 hrs

Political Science/Economics
- Select one of the listed choices: 3 hrs

E: Science Foundations (6 hrs)

Math:
- Select the advanced option if additional biology courses are planned.
  - Required BSC 1005: Biological Principles or BSC 2010C: Biology I: 3 hrs

Statistics:
- Required STA 2023: Statistical Methods I or STA 2014C: Principles of Statistics: 3 hrs

3. Core Requirements: Basic Level
- Most courses specifically identified in the preceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Psychology:
- PSY 2012: General Psychology: GEP
- DEP 2004C: Developmental Psychology: 3 hrs

Biology:
- Select the advanced course if additional biology courses are planned.
  - Required BSC 1005C: Biological Principles or BSC 2010C: Biology I: 3 hrs

Statistics:
- STA 2014C: Principles of Statistics or STA 2023: Statistical Methods I: GEP

3. Core Requirements: Basic Level
- Most courses specifically identified in the preceeding 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 BSC 2010C: Biology I: GEP

Statistics:
- STA 2014C: Principles of Statistics or STA 2023: Statistical Methods I: GEP

4. Core Requirements: Advanced Level (15 hrs)
- PSY 3204C: Statistical Methods in Psychology: 4 hrs
- PSY 3213C: Research Methods in Psychology: 5 hrs
- PSB 3002: Physiological Psychology: 3 hrs
- PSY 4804: History and Systems of Psychology: 3 hrs
7. Foreign Language Requirements

Admissions

1. Met by graduation requirement.
UCF Degree Programs

- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
- Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- DEP 2004: 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
- PSY 2012 General Psychology 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

Sophomore Year - Fall
- DEP 2004C Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

Public Administration (B.A. / B.S.)
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu
Phone: 407-823-2604

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   - Required CGS 1060C Introduction to Computer Science 3 hrs
   C: Mathematical Foundations (6 hrs)
   - Select 1: 3 hrs
     - Suggested MAC 1105C College Algebra or 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Suggested PSY 2012 General Psychology or 3 hrs
     - Suggested SYG 2000 Introduction to Sociology or 3 hrs
     - Suggested ANT 2000 General Anthropology 3 hrs
   E: Science Foundations (6 hrs)
   - Select 1: 3 hrs
     - Any lower level biology course or ZOO X010 or 3 hrs
     - Any lower level STA course will satisfy this requirement
   - Suggested "Common Prerequisites" in the Transfer and Transition Services section

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - PAD 3003 Public Administration in American Society 3 hrs
   - PAD 4034 The Administration of Public Policy 3 hrs
   - PAD 4104 Administrative Theory 3 hrs
   - PAD 4204 Fiscal Management 3 hrs
   - PAD 4414 Public Personnel Administration 3 hrs
   - PAD 4720 Survey Research in Public Administration 3 hrs
   - PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
B.A./B.S. Option 6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
- None

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Accounting
- Interpersonal/Organizational Communication
- Economics
- Legal Studies
- Computer Science
- Social Work
- Political Science
- Criminal Justice
- Health Services Administration
- Management

Certificates
- Nonprofit Management

Related Minors
- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Non-Profit Management/American Humanities National Certification Program
- Emergency Management and Homeland Security

Advising Notes
- None

Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- *This can be taken in any of the following combinations:
  - 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- POS 2041 American National Government 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- REL 2301 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy or 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2511 The Human Species or 3 hrs
- Free Elective 3 hrs

Total Required Hours 120
UCF Degree Programs

Sophomore Year - Spring 15 hrs
PAD 3003  Public Administration in American Society  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
PAD 3733  Professional Administrative Writing in the  Public Sector  3 hrs
Select 1:  3 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
EUH 2001  Western Civilization II or  3 hrs
HUM 2230  Humanistic Tradition II or  3 hrs
WOH 2022  World Civilization II  3 hrs

Junior Year - Fall 15 hrs
PAD 4104  Administrative Theory  3 hrs
PAD 4414  Public Personnel Administration  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Foreign Language I or BS option  3 hrs

Junior Year - Spring 15 hrs
PAD 4034  The Administration of Public Policy  3 hrs
PAD 4204  Fiscal Management  3 hrs
PAD 4720  Survey Research in Public Administration  3 hrs
Restricted Elective  3 hrs
Foreign Language II or BS option  3 hrs

Senior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs

Senior Year - Spring 15 hrs
Restricted Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Restricted elective or PAD Internship  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/

Email: radiotv@ucf.edu
Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard (“B” grades or better in the following courses or pass the grammar proficiency exam).
- ENC 1101  Composition I  3 hrs
- ENC 1102  Composition II  3 hrs

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

Degree Requirements
- Students who change degree programs (other than from 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, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during “C” term only.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations  (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  3 hrs
Communication or
Required  SPC 1603  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
Prefer AMH 2010  U.S. History: 1492-1877  3 hrs
Prefer AMH 2020  U.S. History: 1877-Present  3 hrs
Select a third course from GEP B2  3 hrs

C: Mathematical Foundations  (6 hrs)
Math:  3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.
Suggested MGF 1106  Finite Mathematics or  3 hrs
Suggested MGF 1107  Explorations in Mathematics  3 hrs

Computer Science:  3 hrs
Required  CGS 2100C  Computer Fundamentals for Business  3 hrs

D: Social Foundations  (6 hrs)
Prefer POS 2041  American National Government  3 hrs
Select a listed course  3 hrs
2. Common Program Prerequisites (CPP)
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
- These courses may be taken before applying to the major.
  - MMC 3200 Mass Communication Law 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs

Select 1:
  - SPC 1603 Fundamentals of Technical Presentations or GEP
  - SPC 1608 Fundamentals of Oral Communication GEP

Select 1:
  - CGS 2100C Computer Fundamentals for Business or GEP
  - CGS 2585C Desktop/Internet Publishing or 3 hrs
  - CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods 3 hrs
  - RTV 2102 Writing for the Electronic Media 3 hrs

5. Restricted Electives
- Specialization: Select one area and complete the credit hours required by that specialization.

A. Production 18 hrs
Select from the following:
  - RTV 3210C Audio Production I or 3 hrs
  - RTV 3228C Studio Television Production or 4 hrs
  - RTV 3233C Lighting for Video or 3 hrs
  - RTV 3260C Single Camera Video Production and Editing or 3 hrs
  - RTV 3263C Advanced Video Post-Production or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4211C Audio Production II or 3 hrs
  - RTV 4280C Webcasting I or 3 hrs
  - RTV 4281C Webcasting II or 3 hrs
  - RTV 4206C Televison Directing or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs
  - RTV 3942L Practicum or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism 22 hrs
Complete all of the following:
  - MMC 4602 Contemporary Media Issues and 3 hrs
  - RTV 3260C Single Camera Video Production and Editing and 4 hrs
  - RTV 3301 Electronic Journalism I and 3 hrs
  - RTV 3304 Electronic Journalism II and 3 hrs
  - RTV 4320C Television News 4 hrs

Select from the following:
  - JOU 3004 History of American Journalism or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4322C Advanced TV News or 3 hrs
  - RTV 4700 Regulation of Broadcasting or 3 hrs
  - RTV 4906 Directed Independent Study or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist 18 hrs
Select from the following:
  - ADV 4103 Radio-Television Advertising or 3 hrs
  - COM 3330 Computer Mediated Communication or 3 hrs
  - MMC 4263 New Media Technologies or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods 3 hrs
  - RTV 2102 Writing for the Electronic Media 3 hrs

5. Restricted Electives
- Specialization: Select one area and complete the credit hours required by that specialization.

A. Production 18 hrs
Select from the following:
  - RTV 3210C Audio Production I or 3 hrs
  - RTV 3228C Studio Television Production or 4 hrs
  - RTV 3233C Lighting for Video or 3 hrs
  - RTV 3260C Single Camera Video Production and Editing or 3 hrs
  - RTV 3263C Advanced Video Post-Production or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4211C Audio Production II or 3 hrs
  - RTV 4280C Webcasting I or 3 hrs
  - RTV 4281C Webcasting II or 3 hrs
  - RTV 4206C Televison Directing or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs
  - RTV 3942L Practicum or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism 22 hrs
Complete all of the following:
  - MMC 4602 Contemporary Media Issues and 3 hrs
  - RTV 3260C Single Camera Video Production and Editing and 4 hrs
  - RTV 3301 Electronic Journalism I and 3 hrs
  - RTV 3304 Electronic Journalism II and 3 hrs
  - RTV 4320C Television News 4 hrs

Select from the following:
  - JOU 3004 History of American Journalism or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4322C Advanced TV News or 3 hrs
  - RTV 4700 Regulation of Broadcasting or 3 hrs
  - RTV 4906 Directed Independent Study or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist 18 hrs
Select from the following:
  - ADV 4103 Radio-Television Advertising or 3 hrs
  - COM 3330 Computer Mediated Communication or 3 hrs
  - MMC 4263 New Media Technologies or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to compliment 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
Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
GEP-Math 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
\(^1\) CGS Computer Fundamentals for Business 3 hrs
2100C Foreign Language 4 hrs

\(^1\) See alternatives

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-Minor 3 hrs

Sophomore Year - Spring 15 hrs
Apply for admission by Feb 1
RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-outside of NSC 3 hrs
Elective-minor 3 hrs

Junior Year - Fall 15 hrs
If admitted, take...
RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
RTV 2102 Writing for the Electronic Media 3 hrs
MMC 3200 Mass Communication Law 3 hrs
Elective-minor 3 hrs
Elective-outside of NSC 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs

Senior Year - Spring 16 hrs
Restricted Elective 3 hrs
Restricted Elective, or
Elective-outside of NSC 4 hrs
Elective-Minor 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs

Additional Notes:
- 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.

Advising Notes:
- None

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses:
- None

Program Academic Learning Compacts:
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575

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

Admission Requirements:
- Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida public community college.
- See Common Program Prerequisites.

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.
Students in the real estate major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a real estate major. A student who is dropped may seek re-admittance as a real estate major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

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 (9 hrs)
Required: CGS 2100C Computer Fundamentals for Business
Prefer: MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1:
- Suggested: ECO 2013 Principles of Macroeconomics or
  ECO 2023 Principles of Microeconomics

Select 1:
- Suggested: PSY 2122 General Psychology or
  PSY 2250 Introduction to Sociology or
  ANT 2000 General Anthropology

E: Science Foundations (6 hrs)
Select 1:
- Must be completed with a “C” (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.

AEC 2041 Concepts of Calculus
or
MAC 2233 Calculus

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
- or
  MAC 2233 Concepts of Calculus and
  STA 2023 Statistical Methods I

3. Core Requirements: Basic Level (32 hrs)
First or subsequent semester in the College of Business Administration:
- GEB 3031 Cornerstone: Professional Skills for Business
- GEB 3031L Cornerstone Lab: Professional Skills for Business
- GEB 3375 Introduction to International Business
- BUL 3130 Legal and Ethical Environment of Business
- ECO 3411 Quantitative Business Tools II
- FIN 3403C Business Finance
- MAN 3025 Management of Organizations
- MAR 3023 Marketing
- MAR 3203 Supply Chain and Operations Management

1 This course should be taken in the graduating term and requires the following prerequisites:
   - GEB 3031 Cornerstone: Professional Skills for Business
   - MAR 3023 Marketing
   - MAN 3025 Management of Organizations
   - FIN 3403C Business Finance

5. Restricted Electives (15 hrs)
Select 5:
- FIN 3414 Intermediate Corporate Finance
- FIN 3504 Investment Analysis
- MAR 3391 Professional Selling
- REE 3614 Environmental Issues for Real Estate
- REE 4103 Real Estate Appraisal and Valuation
- REE 4203 Commercial Real Estate Finance
- REE 4204 Residential Real Estate Finance
- REE 4303 Real Estate Investment Analysis
- REE 4732 Real Estate Development
- REE 4903H Honors Directed Readings I
- REE 4941 Internship
- REE 4970H Undergraduate Honors Thesis
- REE 4933 Advanced Topics in Real Estate

1 This course should be taken in the graduating term and requires the following prerequisites:
   - GEB 3031 Cornerstone: Professional Skills for Business
   - MAR 3023 Marketing
   - MAN 3025 Management of Organizations
   - FIN 3403C Business Finance

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management
- MAN 4721 Advanced Management

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None
8. Electives
- Variable
9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- None
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 8 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
## UCF Degree Programs

**Transfer Notes**
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Any student receiving a business degree must complete one half (30) of the upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Any student receiving a business degree must complete one half (30) of the 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

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 110SC</td>
<td>College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>Cul-Hist I</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective</td>
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### Freshman Year - Spring

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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cul-Hist II</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Art/Music/Lit</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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### Sophomore Year - Fall

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<td>Principles of Financial Accounting</td>
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<td>Science</td>
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<td>Psy/Soc/Ant</td>
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<tr>
<td>Elective</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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### Sophomore Year - Spring

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<td>Principles of Managerial Accounting</td>
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<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
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<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
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<tr>
<td>Science</td>
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### Junior Year - Fall

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<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
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<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
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<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
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<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
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<tr>
<td>FIN 3402C</td>
<td>Business Finance</td>
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### Junior Year - Spring

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<th>Course Code</th>
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<tbody>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
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<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Religious Studies (B.A.)

#### Department of Philosophy,

**Psychology Building, Room: 220**

**Email:** religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273

Phone: 407-823-2273

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
     - Required HUM 2210 Humanistic Tradition I 3 hrs
     - Required HUM 2230 Humanistic Tradition II 3 hrs
     - Required REL 2300 World Religions 3 hrs
   - **C: Mathematical Foundations** (6 hrs)
   - **Math** 6 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### Statistics-Computers

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>Select a course from GEP C.2 list</td>
<td></td>
<td>3 hrs</td>
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</tbody>
</table>

2. **Social Foundations** (6 hrs)

3. **Science Foundations** (6 hrs)

### D. Common Program Prerequisites (CPP)
- None

3. **Core Requirements: Basic Level**
- **HUM 2210** Humanistic Tradition I GEP
- **HUM 2230** Humanistic Tradition II GEP
- **REL 2300** World Religions GEP
- **REL 2000** Introduction to Religious Studies 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

292 Undergraduate Catalog 2012-2013
4. Core Requirements: Advanced Level (24 hrs)

**Foundations in the Study of Religion and Humanities**

**Religion**
- REL 3110 Religion in America or 3 hrs
- REL 4110 Religion and the Arts or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- ANT 3241 Magic, Ritual, and Belief or 3 hrs
- POT 4632 Religion and Politics or 3 hrs
- SYO 4200 Religion in Society or 3 hrs

**Humanities and Classics**
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3376 Comparative Mythology or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs

**Traditions: Religion in a Global World**
- Select 1: 3 hrs
  - JST 3401 Jewish People in Antiquity or
  - JST 3402 Wanderings: The Jewish People in Dispersion or

- Select 2: 6 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 3552 Christian Thought or
  - HUM 3553 Moses, Jesus and Muhammad or
  - REL 3546 Buddhist Thought or

**Applications: Topics and Issues in the Study of Religion**
- Select 2: 6 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or
  - REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3432 Roots of Western Mysticism or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - PHI 3672 Animal Ethics or 3 hrs
  - REL 4180 Religion and Medicine or 3 hrs

5. Restricted Electives (6 hrs)

- Select two courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

- Select 2: 6 hrs
  - REL 4941 Internship or 1 hr
  - HUM 3320 Contemporary Multicultural Studies or 3 hrs
  - HUM 4301 The Classical Ideal or 3 hrs
  - HUM 4390 Performance Theory or 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
  - PHI 3629 Family Values or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHI 3684 Ways of Living or 3 hrs
  - PHI 3020 Philosophy of Love or 3 hrs
  - PHI 4341 Ways of Knowing or 3 hrs
  - PHI 4804 Critical Theory or 3 hrs
  - PHM 3100 Freedom and Justice or 3 hrs
  - PHP 3786 Existentialism or 3 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ASH 3222 Islam and Its Empires or 3 hrs
  - ASH 3223 The Modern Middle East or 3 hrs
  - JST 3100 The Hebrew Creative Mind or 3 hrs
  - JST 3125 The Book of Job or 3 hrs
  - JST 3144 Dead Sea Scrolls or 3 hrs
  - JST 3450 Modern Jewish Experience or 3 hrs
  - JST 3560 Introduction of Modernism into Judaism or 3 hrs
  - JST 3701 History of the Holocaust or 3 hrs
  - JST 3751 Literature of the Holocaust or 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - REL 4970H Undergraduate Honors Thesis 3 hrs
  - REL 4910 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Must Take:
  - REL 4910 Senior Research Seminar 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

**Total Semester Hours Required**
- 120

**Honors In Major**
- Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

**Core, Elective Requirements, and Senior Seminar**
- 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 Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs
UCF Degree Programs

### Related Programs
- Interdisciplinary Studies
- Philosophy
- Humanities

### Certificates
- None

### Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### 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
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

#### Sophomore Year - Spring
- **15 hrs**
  - GEP 3 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

#### Junior Year - Fall
- **15 hrs**
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - 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
  - REL 3340 Buddhist Thought 3 hrs

#### Senior Year - Spring
- **15 hrs**
  - REL 4910 Senior Research Seminar 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### Restaurant and Foodservice Management (B.S.)
#### Rosen College of Hospitality Management

**Department of Food-services and Lodging, 9907 Universal Boulevard, Orlando, FL 32819**

**[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)**

**Email:** hospitality@mail.ucf.edu

**Dr. Joe Hutchinson, Department Chair**

**Dr. Abraham Pizam, Dean**

**Phone:** 407-903-8000

### Admission Requirements
- None

### Degree Requirements
- None

#### 1. UCF General Education Program (GEP) (36 hrs)
- **A:** Communication Foundations (9 hrs)
- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (6 hrs)
  - Required: MAC 1105C College Algebra 3 hrs
  - **Select 1:**
    - CGS 2100C Computer Fundamentals for Business or GEP 3 hrs
    - STA 2023 Statistical Methods I 3 hrs

#### 2. Common Program Prerequisites (CPP) (3 hrs)
- **D:** Social Foundations (6 hrs)
  - **Select 1:**
    - ECO 2013 Principles of Macroeconomics or GEP 3 hrs
    - ECO 2023 Principles of Microeconomics 3 hrs

#### 3. Common Program Prerequisites (CPP) (3 hrs)
- **E:** Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP) (3 hrs)
- **F:** Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP) (3 hrs)
- **G:** Science Foundations (6 hrs)

#### 3. Core Requirements: Basic Level
- **MAC 1105C College Algebra**
- **GEP**
  - **Select 1:**
    - CGS 2100C Computer Fundamentals for Business or GEP 3 hrs
    - STA 2023 Statistical Methods I GEP

#### 4. Core Requirements: Advanced Level
- **Hospitality Core Requirements** (34 hrs)
  - FSS 2221C Techniques of Food Preparation 4 hrs
  - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  - HFT 2500 Hospitality and Tourism Marketing 3 hrs
  - HFT 2220 Hospitality Human Resources Management 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3540 Guest Services Management I 3 hrs
  - HFT 4454 Hospitality Industry Finance 3 hrs
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

Restaurant Management Core 18 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3574 Food Service Marketing Advertising and Promotion Management 3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
HFT 4881C Beverage Management 3 hrs
HFT 4844 Sanitation in the Food Service Industry 3 hrs

5. Restricted Electives (15 hrs)
Select 5:
FSS 3008 Culture and Cuisine or 3 hrs
FSS 4135 Corporate Contract and Managed Services or Organizations or 3 hrs
FSS 4266C Catering and Banquet Organization or 3 hrs
HFT 3654 Franchising in the Restaurant Industry or 3 hrs
HFT 3668 History and Culture of Wine or 3 hrs
HFT 4266 Restaurant Brand Management or 3 hrs
HFT 4268 Case Studies in Restaurant Management or 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics or 3 hrs
HFT 4343 Hospitality Facilities Planning and Design or 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer or 3 hrs
HFT 4866C Exploring Wines of the World or 3 hrs
HFT 4894 International Gastronomy or 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
Final exams will be given during Exam Week only.
Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 48 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

UCF Degree Programs

Undergraduate Catalog 2012-2013
Science Education - Biology (B.S.)

College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Janet Andreassen, ED 123Q, Janet.Andreasen@ucf.edu,
407-823-5430
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu,
407-823-1862

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 210 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

E: Science Foundations (7 hrs)
- Required PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

1. Required course with a minimum letter grade of "C-" (1.75) is required.

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EFD 2065 Introduction to the Teaching Profession 3 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

EFD 2130 Child and Adolescent Development for Educators 3 hrs
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr

4. Core Requirements: Advanced Level (62 hrs)
- Education Core Requirements 18 hrs

Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- 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.

EDF 4647 Learning Theory and Assessment 3 hrs
- EDF 4643 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexpl/.

SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Specialization Requirements 25 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Select 1: 4 hrs
- PCB 3703C Human Physiology or
- ZOO 3733C Human Anatomy or
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs
Internship II  12 hrs

- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Graduation
- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

1. Transfer Notes:  Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Plan of Study

Recommended Four Year Sequence of Courses

Freshman Year - Fall  12 hrs

- AMH 2100  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  16 hrs

- AMH 2100  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition II  3 hrs
- PHI 2101  Introduction to Philosophy  3 hrs
- PSC 1121  Physical Science  3 hrs
- PSC 1121L  Physical Science Lab  1 hr
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Summer  6 hrs

- POS 2041  American National Government  3 hrs
- 1 EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Fall  14 hrs

- BSC 2011C  Biology I  4 hrs
- CHM 2045  Chemistry Fundamentals I  4 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs

Sophomore Year - Spring  15 hrs

- BSC 2011C  Biology II  4 hrs
- CHM 2205  Chemistry Fundamentals II  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Sophomore Year - Summer  3 hrs

- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Junior Year - Fall  14 hrs

- EDF 4467  Learning Theory and Assessment Management  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr

Junior Year - Spring  12 hrs

- MCB 3020C  General Microbiology  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- SCE 4361  Programs in Teaching Science  3 hrs

Junior Year - Summer  3 hrs

- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- EDF 4467  Learning Theory and Assessment Management  3 hrs

Senior Year - Fall  13 hrs

- EDF 4503  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- SCE 3940  Internship  3 hrs
- SCE 4360  Science Instructional Analysis  4 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

Senior Year - Spring  12 hrs

- SCE 4941  Internship  12 hrs

Sophomore Year - Fall  14 hrs

- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Spring  15 hrs

- BSC 2011C  Biology II  4 hrs
- CHM 2205  Chemistry Fundamentals II  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Sophomore Year - Summer  3 hrs

- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Junior Year - Fall  14 hrs

- EDF 4467  Learning Theory and Assessment Management  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr

Junior Year - Spring  12 hrs

- MCB 3020C  General Microbiology  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- SCE 4361  Programs in Teaching Science  3 hrs

Junior Year - Summer  3 hrs

- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- EDF 4467  Learning Theory and Assessment Management  3 hrs

Senior Year - Fall  13 hrs

- EDF 4503  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- SCE 3940  Internship  3 hrs
- SCE 4360  Science Instructional Analysis  4 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

Senior Year - Spring  12 hrs

- SCE 4941  Internship  12 hrs

Sophomore Year - Fall  14 hrs

- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Spring  15 hrs

- BSC 2011C  Biology II  4 hrs
- CHM 2205  Chemistry Fundamentals II  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Sophomore Year - Summer  3 hrs

- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Junior Year - Fall  14 hrs

- EDF 4467  Learning Theory and Assessment Management  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr

Junior Year - Spring  12 hrs

- MCB 3020C  General Microbiology  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- SCE 4361  Programs in Teaching Science  3 hrs

Junior Year - Summer  3 hrs

- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- EDF 4467  Learning Theory and Assessment Management  3 hrs

Senior Year - Fall  13 hrs

- EDF 4503  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- SCE 3940  Internship  3 hrs
- SCE 4360  Science Instructional Analysis  4 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

Senior Year - Spring  12 hrs

- SCE 4941  Internship  12 hrs

Sophomore Year - Fall  14 hrs

- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Spring  15 hrs

- BSC 2011C  Biology II  4 hrs
- CHM 2205  Chemistry Fundamentals II  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Sophomore Year - Summer  3 hrs

- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Junior Year - Fall  14 hrs

- EDF 4467  Learning Theory and Assessment Management  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr

Junior Year - Spring  12 hrs

- MCB 3020C  General Microbiology  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- SCE 4361  Programs in Teaching Science  3 hrs

Junior Year - Summer  3 hrs

- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- EDF 4467  Learning Theory and Assessment Management  3 hrs

Senior Year - Fall  13 hrs

- EDF 4503  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- SCE 3940  Internship  3 hrs
- SCE 4360  Science Instructional Analysis  4 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

Senior Year - Spring  12 hrs

- SCE 4941  Internship  12 hrs
University of Central Florida

UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Chemistry (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED 123G, Janet.Andreassen@ucf.edu, 407-823-6430
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
Required MAC 1144C College Trigonometry 3 hrs

Select 1: (3 hrs)
Prefer STA 1063C Basic Statistics Using Microsoft Excel or
Prefer STA 2043C 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
Required PSC 1121 Physical Science 3 hrs

1 A grade of “C-” (1.75) or better is required.

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2055 Introduction to the Teaching Profession 3 hrs
EDF 2056 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

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 (8 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

EDF 2130 Child and Adolescent Development for Educators 3 hrs
CHM 2045C Chemistry Fundamentals I GEP 4 hrs
CHM 1121 Physical Science GEP 3 hrs
PSC 1121L Physical Science Lab 1 hr
BSC 2010C Biology I GEP 3 hrs
MAC 1114C College Trigonometry GEP 3 hrs

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is 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.

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
EEC 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I.

Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexpi.

Ex. 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs
- Students in Schools

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2053C College Physics I 4 hrs
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
BCN 405S Biochemistry I 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
Internship II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/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.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114C College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 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 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 4 hrs
- PHY 2053C College Physics I 4 hrs

Junior Year - Fall 16 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 3120L Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring 14 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall 13 hrs
- BCH 4053 Biochemistry I 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- AMH 2010L Internship 3 hrs
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 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.oenas.ucf.edu/alc/academic_learning_compacts.htm
Science Education - Physics (B.S.)

College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/science/

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
   - Students are advised to take the preferred courses.
   - Required:
     - ENC 1101 Composition I
     - ENC 1102 Composition II
     - MAC 2311C Calculus with Analytic Geometry I
     - PSC 1121 Physical Science
   - Preferred:
     - AMH 1010 U.S. History: 1492-1877
     - PHI 2010 Introduction to Philosophy
     - SPC 1608 Fundamentals of Oral Communication
     - PHY 2048C Physics for Engineers & Scientists I

2. Education Core Requirements (18 hrs)
   - 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

3. Core Requirements: Basic Level (8 hrs)
   - EDF 2130 Child and Adolescent Development for Educators
   - PHY 2048C Physics for Engineers & Scientists I
   - PSC 1121 Physical Science
   - MAC 2311C Calculus with Analytic Geometry I

4. Core Requirements: Advanced Level (66 hrs)
   - Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading
   - 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/clinicalexper/
   - Specialization Requirements (29 hrs)
     - CHM 2045C Chemistry Fundamentals I
     - MAC 2312 Calculus with Analytic Geometry II
     - PSC 1121 Physical Science
     - PHY 2048C Physics for Engineers and Scientists II
     - PHY 3011 Physics for Engineers and Scientists III
     - SCE 4361 Programs in Teaching Science
   - Select 1: (3 hrs)
     - PHY 3752C Physics of Scientific Instruments or
     - PHY 3722C Physics Laboratory-Electronics

5. Internship II (12 hrs)
   - At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
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-5.006.

SCE 4941 Internship 12 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
   State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
   Achieve a minimum 2.5 GPA in all courses within the major.
   Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Certification Examinations.

12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 2020  U.S. History: 1877-Present  3 hrs
ENC 1102  Composition I  3 hrs
PSY 2012  General Psychology  3 hrs

Select 1: 3 hrs
STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C  Principles of Statistics  3 hrs

**Freshman Year - Summer** 7 hrs
POS 2041  American National Government  3 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs

**Sophomore Year - Fall** 14 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PSC 1121  Physical Science  3 hrs
PSC 1121L  Physical Science Lab  1 hr

Select 1: 3 hrs
ANT 2511  The Human Species  3 hrs
BSC 1005  Biological Principles  3 hrs

**Sophomore Year - Spring** 13 hrs
CHM 2045C  Chemistry Fundamentals I  4 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

**Sophomore Year - Summer** 4 hrs
PHY 2048C  Physics for Engineers & Scientists I  4 hrs

**Junior Year - Fall** 13 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

**Junior Year - Spring** 13 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
SCE 4361  Programs in Teaching Science  3 hrs

**Junior Year - Summer** 3 hrs
PHY 3101  Physics for Engineers and Scientists III  3 hrs

**Senior Year - Fall** 13 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
SCE 3940  Internship  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs

Select 1: 3 hrs
PHY 3752C  Physics of Scientific Instruments or 3 hrs
PHY 3722C  Physics Laboratory-Electronics  3 hrs

**Senior Year - Spring** 12 hrs
SCE 4941 Internship  12 hrs

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
   http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Social Science Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 1010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1:
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2044C Principles of Statistics 3 hrs

Select 1:
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

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

Select 1:
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (9 hrs)
- Student should consult advisor regarding course options.
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements (18 hrs)
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Prior to Internship I, the student must have completed EDF 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.

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

Internship I Block (6 hrs)
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 3940 Internship 3 hrs

Specialization Requirements (30 hrs)
- GEO 3471 World Political Geography 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- SSE 4836 Programs in Teaching Social Science 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
- Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
- Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
- Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs

Internship 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.
Plan of Study (120 hrs)

**Freshman Year - Fall**
- AMH 2010 U.S. History: 1492-1877
- ENC 1101 Composition I
- MGF 1106 Finite Mathematics
- PSY 2012 General Psychology

**Freshman Year - Spring**
- AMH 2020 U.S. History: 1877-Present
- ENC 1102 Composition II
- POS 2041 American National Government

**Select 1:**
- ANET 2511 The Human Species or
- BSC 1005 Biological Principles

**Freshman Year - Summer**
- SPC 1608 Fundamentals of Oral Communication
- PHI 2010 Introduction to Philosophy

**Sophomore Year - Fall**
- EDF 2005 Introduction to the Teaching Profession
- ECO 2013 Principles of Macroeconomics
- PSC 1211 Physical Science
- SYG 2000 Introduction to Sociology

**Select 1:**
- STA 1063C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics

**Sophomore Year - Spring**
- ECO 2023 Principles of Microeconomics
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators

1 EDF 2130 Child and Adolescent Development for Educators

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Summer**
- EUH 2000 Western Civilization I
- TSL 4080 Theory and Practice of Teaching ESOL
- SSE 4936 Internship

**Junior Year - Fall**
- EDF 4467 Learning Theory and Assessment
- EDG 4410 Teaching Strategies and Classroom Management
- SSE 4936 Programs in Teaching Social Science
- EUH 2001 Western Civilization II
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)

**Junior Year - Spring**
- SSE 4361 Social Science Instructional Analysis
- SSE 3940 Internship
- GED 3471 World Political Geography
- RED 4043 Content Reading in Kindergarten through Grade 12

**Senior Year - Fall**
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- EEX 4242 Teaching Exceptional Students in Secondary Settings
- American History Elective (AMH 3/4XXX)
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX)

**Senior Year - Spring**
- SSE 4941 Internship

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm
The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students’ awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below "C" (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Complete one of the following: 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- Prefer COM 1000 Introduction to Communication 3 hrs

1 Required if Communication option of the major is to be followed.

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: 3 hrs
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

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

D: Social Foundations (6 hrs)

Select the following course: 3 hrs
- Required POS 2041 American National Government 3 hrs

Select one of the following, depending on the concentration to be followed.
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

Select at least three of the following, depending on concentrations to be taken:
- ANT 2000 General Anthropology or GEP
- POS 2041 American National Government or GEP
- PSY 2012 General Psychology or GEP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SYG 2000 Introduction to Sociology GEP

4. Core Requirements: Advanced Level (57 hrs)

Select one methods' course: 3 hrs
- POS 3703 Scope and Methods of Political Science or 3 hrs
- PSY 3213C Research Methods in Psychology or 5 hrs
- SYA 4300C Research Methods or 4 hrs
- COM 3311 Communication Research Methods 3 hrs

Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.

Anthropology 18 hrs
Communication 18 hrs
Political Science 18 hrs
Psychology 25 hrs
Sociology 18 hrs

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
11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of “C” (2.0) in all core courses is required.
- Students will be required to take a standardized exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Anthropology
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Certificates
- None

Related Minors
- Anthropology
- Interpersonal/Organizational Communication
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Advising Notes
- Students should seek advising in the Sociology department.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- 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://math.sdes.ucf.edu

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP - Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- Core Course 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- Core Course 3 hrs
- Elective / Minor 3 hrs
- GEP 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alo/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term
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
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program and Gordon Rule requirement
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1908 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1:
   Suggested STA 2014C Principles of Statistics or 3 hrs
   Suggested STA 2023 Statistical Methods I 3 hrs
   Select 1:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

E: Science Foundations (6 hrs)
   Suggested BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
   - Prefer SPC 1121 Physical Science or 3 hrs
   - Suggested AST 2002 Astronomy 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- POS 2041 American National Government GEP
- BSC 1005 Biological Principles GEP
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
   ECO 2013 Principles of Macroeconomics or 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (45 hrs)
   SOW 3104 Assessing I: Human Development 3 hrs
   SOW 3203 Social Work & Community Resources 3 hrs
   SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
   SOW 3111 Assessing II: Human Systems 3 hrs
   SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
   SOW 3401 Social Work Research 3 hrs
   SOW 3620 Social Work with Diverse Populations 3 hrs
   SOW 4730 Documentation in Social Work Practice 3 hrs
   SOW 4232 Social Welfare Policies and Issues 3 hrs
   SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4522 Field Education Seminar 3 hrs
   SOW 4510 Field Education 9 hrs

Required Principles of Statistics 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 3363 Anthropology of Japan 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- ANT 3610 Language and Culture 3 hrs
- ASH 4404 China in 19th and 20th Centuries 3 hrs
- ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- HUM 3401 Asian Civilizations 3 hrs
- HUM 3417 Hindu Thought and Culture 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3402 Modern Israel 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
UCF Degree Programs

Advising Notes

Certification Program

Related Minors

- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- Non-Profit Management/American Humanities National Certification Program

Advising Notes

None

5. Restricted Electives (6 hrs)

- Select six hours in consultation with faculty advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation

- Cultural Diversity Requirement

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements

- A 2.0 UF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

Transfer Notes

- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each):
  - American Government or American National Government
  - Biology (Human Biology or Anatomy & Physiology)
  - Economics (Microeconomics or Macroeconomics)
  - Introductory Psychology; Introductory Sociology; Principles of Statistics

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs

- ENC 1101 Composition I 3 hrs
- BSC 1005 Biological Principles 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1: 3 hrs

- SYG 2000 Introduction to Sociology or
- 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
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs

- MUL 2010 Enjoyment of Music or
- THE 2000 Theatre Survey or
- REL 2300 World Religions or
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs

- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs

Select 1: 3 hrs

- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

- EUH 2000 Western Civilization I or
- WOH 2012 World Civilization I or
- HUM 2210 Humanistic Tradition I or
- AMH 2010 U.S. History: 1492-1877 or
- Foreign Language I or Cultural Diversity 3 hrs

Sophomore Year - Spring 15 hrs

- SOW Elective 3 hrs

Select 1: 3 hrs

- Free Elective 3 hrs

Select 1: 3 hrs

- Free Elective 3 hrs

Select 1: 3 hrs

- CHM 1020 Concepts in Chemistry or
- PSC 1121 Physical Science or
- AST 2002 Astronomy 3 hrs

Select 1: 3 hrs

- EUH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II or
- AMH 2020 U.S. History: 1877-Present or
- Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs

Select 1: 3 hrs

- SOW 3014 Assessing I: Human Development or
- SOW 3300 Practice I: Generalist Practice in Social Work or
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW Elective 3 hrs

Junior Year - Fall 15 hrs

- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3203 Social Work & Community Resources 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs

Select 1: 3 hrs

- Restricted Elective 3 hrs

Select 1: 3 hrs

- Free Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
such as teaching, public administration, metropolitan planning, Sociology provides excellent grounding for a wide range of careers in the family, and diversity and social inequalities. As such, the B.A. in institutions, the environment, crime and deviance, popular culture, violent crime, domestic violence, global warming, alcohol and drug training in an array of courses. Sociology majors master skills directly relevant to many contemporary issues, including murder and art training in an array of courses. Sociology majors master skills presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success with theoretical and methodological tools for the study of peoples, trained in critical thinking and analytical skills, and by being familiar 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, and organizations 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 must have a "C" (2.0) or higher in all core courses used for the major.
- Students must maintain a UCF GPA of at least 2.0 in all Core Curriculum courses.
- 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 must 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)
- Communication Foundations (9 hrs)
- Cultural & Historical Foundations (9 hrs)
- 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 preceeding 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

Sociology (B.A.)

College of Sciences
Department of Sociology
http://sociology.ucf.edu/

Email: sociology@ucf.edu
Dr. J. Jasinski, Jana.Jasinski@ucf.edu
Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral 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,
10. Required Minors
- None

9. Additional Requirements
- None

5. Restricted Electives (27 hrs)
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.
  - SYA 4690C Community Action and Involvement 3 hrs
  - SYA 5625 ProSeminar 3 hrs
  - SYA 5652 Advanced Population 3 hrs
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 4510 Environment and Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYG 2010 Social Problems 3 hrs
  - SYO 3000 Contemporary Society 3 hrs
  - SYO 3360 Social Organization and Human Relations 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYO 3530 Social Power and Inequality 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYO 4250 Education and Social Achievement 3 hrs
  - SYO 4300 Political Sociology 3 hrs
  - SYO 4400 Medical Sociology 3 hrs
  - SYP 3300 Foods, 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 3562 Patterns of Popular Music in Society 3 hrs
  - SYP 3630 Popular Culture in Society 3 hrs
  - SYP 3650 Sports and Society 3 hrs
  - SYP 4000 Sociological Social Psychology 3 hrs
  - SYP 4004 Constructing Social Issues 3 hrs
  - SYP 4514 Patterns of Violence in Society 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4536 Gangs and Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs
  - SYP 5525 Sociological Criminology 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYD 4020 Birth, Death, and Population Trends 3 hrs

Internship:
- Eligible students may enroll for 3 to 6 semester hours of internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
  - SYP 3940 Internship or 3 hrs
  - SYP 4941 Internship or 3 hrs
  - SYP 5944 Internship or 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
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://uto.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://math.sdes.ucf.edu

Freshman Year - Fall
- SYG 2000 Introduction to Sociology 3 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- GEP - Math 3 hrs
**UCF Degree Programs**

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<th>Freshman Year - Spring</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
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<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
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**Sophomore Year - Fall**

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**Sophomore Year - Spring**

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**Junior Year - Fall**

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<tr>
<td>SYA 4300C Research Methods</td>
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<td>SYA 3400C Applied Social Statistics</td>
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<td>GEP</td>
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**Junior Year - Spring**

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<tbody>
<tr>
<td>SYA 3110 Social Theory</td>
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<td>SYA 4450 Data Analysis</td>
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**Senior Year - Fall**

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**Senior Year - Spring**

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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

**Spanish (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


Email: flfacult@ucf.edu

Dr. Paul Giordano

Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Admission Requirements**

- None

**Degree Requirements**

- 36 credits in Spanish must be taken at the 3000 level or above.

- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>Academic Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Cultural &amp; Historical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**Math**

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

**Statistics - Computers**

- 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test

<table>
<thead>
<tr>
<th>Social Foundations</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**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 |

1 May be met by proficiency test or completion of SPN 3234

**3. Core Requirements: Basic Level**

| SPW 3100 Survey of Latin-American Literature I | 3 hrs |
| SPW 3101 Survey of Latin-American Literature II | 3 hrs |

| SPW 3130 Survey of Latin-American Literature I | 3 hrs |
| SPW 3131 Survey of Latin-American Literature II | 3 hrs |

1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

**4. Core Requirements: Advanced Level (15 hrs)**

| SPN 3300 Advanced Spanish Grammar and Composition | 3 hrs |
| SPN 3420 Spanish Composition | 3 hrs |
| SPN 3760 Advanced Spanish Oral Communication | 3 hrs |

**Select one of the following sequences of courses:**

- SPW 3100 Survey of Latin-American Literature I and 3 hrs
- SPW 3101 Survey of Latin-American Literature II 3 hrs

or

- SPW 3130 Survey of Latin-American Literature I and 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs

**5. Restricted Electives (21 hrs)**

| SPN 4901 Spanish Morphology | 3 hrs |
| SPN 4800 Spanish-American Syntax | 3 hrs |
| SPN 4780 Spanish Phonetics | 3 hrs |
| SPN 3852 Bilingualismo | 3 hrs |

**Spanish literature beyond the survey level**

- Taught in Spanish
### Culture and Civilization 3 hrs

**Select 1:** 3 hrs
- SPN 4510 Spanish Civilization and Culture or 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs

### Spanish courses 9 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by Graduation requirements.

#### Graduation
- Met by Common Program Prerequisites.

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
- Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computer Science 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency 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**
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Elective / Minor 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Elective / Minor 4 hrs

**Sophomore Year - Fall**
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

**Sophomore Year - Spring**
- BSC 1005 Biological Principles 3 hrs
- MUL 2101 Enjoyment of Music 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs
- Elective / Minor 3 hrs

**Junior Year - Fall**
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

**Junior Year - Spring**
- SPW 3101 Survey of Spanish Literature II 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPN 3141 Business Spanish II 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

**Senior Year - Fall**
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs
- SPN 5705 Introduction to Spanish Linguistics 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

**Senior Year - Spring**
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 4381 Latin-American Theatre/Poetry 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake ( Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of three areas of specialization: Human Performance, Coaching, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

**Admission Requirements**

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to enrollment and 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 meet or exceed a “C” (2.0) in each required course and maintain an overall GPA of at least 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

1. **UCF General Education Program (GEP)** (37 hrs)

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Elective from GEP section B.2 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

2. **Social Foundations** (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

3. **Science Foundations** (7 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Prefer PSC 1121 Physical Science 3 hrs

2. **Common Program Prerequisites (CPP)**

- None

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**3. Core Requirements: Basic Level** (22 hrs)

**Core Requirements for Sport and Exercise Science:**
- PET 3097 Health and Wellness 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- PET 4500C Assessment and Evaluation in Exercise Science 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs

**4. Core Requirements: Advanced Level** (24 hrs)

**A. Coaching Specialization** (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 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 4125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs

**B. Human Performance Specialization** (24 hrs)

**ATR 4132** Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- PET 4500C Assessment and Evaluation in Exercise Science 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

**C. Children’s Physical Activity & Movement Specialization** (24 hrs)

**PET 4926** Sport and Exercise Science Practicum or 9 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

**5. Restricted Electives** (25 hrs)

- Students have the opportunity to add learning experiences, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.

**6. Capstone Requirements** (12 hrs)
- PET 4901 Capstone in Sport and Exercise Science 3 hrs
- PET 4926 Sport and Exercise Science Practicum or 9 hrs
- Take 3 additional electives in the program approved by the advisor 9 hrs
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**
- None

**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
- Recreation

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

---

### Plan of Study (120 hrs)

**Coaching Specialization**

### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- PSC 1121  Physical Science  3 hrs
- PSY 2012  General Psychology  3 hrs
- Elective  3 hrs

**Freshman Year - Spring**
- BSC 2010C  Biology I  4 hrs
- ENC 1102  Composition II  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

**Sophomore Year - Fall**
- GEP B.1  3 hrs
- PET 3005  Introduction to Sport and Exercise Science  3 hrs
- Elective (2000-3000 level)  6 hrs

**Select 1:**
- CGS 1060C  Introduction to Computer Science or  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel or  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

**Sophomore Year - Spring**
- PET 3097  Health and Wellness  3 hrs
- GEP B.1  3 hrs
- Specialization or Elective  3 hrs
- ZOO 3736C  Exercise Physiology Anatomy  4 hrs

**Junior Year - Fall**
- PET 4312C  Kinesiology/Biomechanics  3 hrs
- PET 4351C  Exercise Physiology  3 hrs
- Elective course  3 hrs
- PET 3361  Nutrition and Metabolism in Sport and Exercise Science  3 hrs
- PET 3765  Coaching Theory  3 hrs

**Junior Year - Spring**
- 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  3 hrs

**Junior Year - Summer**
- Specialization elective courses  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 3204  Sports and Ethics  3 hrs
- Elective Course  3 hrs

**Senior Year - Spring**
- PET 4901  Capstone in Sport and Exercise Science  3 hrs

**Select 1:**
- PET 4926  Sport and Exercise Science Practicum or  9 hrs
- Take 3 additional electives in the program approved by advisor  9 hrs

### Human Performance Specialization (120 hrs)

**Human Performance Specialization**

### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- PSC 1121  Physical Science  3 hrs
- PSY 2012  General Psychology  3 hrs
- Elective  3 hrs

**Freshman Year - Spring**
- BSC 2010C  Biology I  4 hrs
- ENC 1102  Composition II  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
## UCF Degree Programs

### Sophomore Year - Fall
- **GEP B.1**
- **PET 3005** Introduction to Sport and Exercise Science
- Elective (2000-3000 level)

**Select 1:**
- **CGS 1060C** Introduction to Computer Science or
- **STA 1063C** Basic Statistics Using Microsoft Excel or
- **STA 2014C** Principles of Statistics

### Junior Year - Fall
- **PET 3097** Health and Wellness
- Elective or elective course
- **ZOO 3736C** Exercise Physiology Anatomy

### Sophomore Year - Spring
- **PET 4312C** Kinesiology/Biomechanics
- **PET 4550C** Assessment and Evaluation in Exercise Science
- **PET 4351C** Exercise Physiology
- **PET 4050C** Motor Development and Learning

**Select 1:**
- **PET 4215** Motivational Aspects of Athletic Performance

### Junior Year - Spring
- **PET 3361** Nutrition and Metabolism in Sport and Exercise Science
- Elective Course
- **PET 4088** Physical Activity & Preventive Medicine

### Sophomore Year - Fall
- **PET 4351C** Exercise Physiology
- **PET 4552** Exercise Prescription for Special Populations
- **PET 3765** Coaching Theory

### Junior Year - Summer
- **PET 4926** Sport and Exercise Science Practicum or

**Select 1:**
- **PET 4901** Capstone in Sport and Exercise Science
- Take 3 additional electives in the program approved by advisor.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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### Statistics (B.S.)

**College of Sciences**

**Department of Statistics,**

**Computer Center II, Room: 212**


**Email:** statistics@ucf.edu

Dr. David Nickerson, 407-823-5528
Phone: 407-823-2289

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. UCF General Education Program (GEP) (39 hrs)
   - Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (7 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs

2. Core Requirements: Basic Level (36 hrs)
   - Physics majors’ courses with labs  or
   - Chemistry majors’ courses with labs  or
   - Biology majors’ courses with labs

3. Core Requirements: Advanced Level (43 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.
   - COP 3223 Introduction to Programming with C 3 hrs
   - MAC 2311C Calculus with Analytic Geometry I 3 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - STA 2023 Statistical Methods I 3 hrs

Complete two laboratory courses designed for science majors:
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- Note: both semesters do not have to be in the same subject area.
- Note: depending which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following:
- See Basic Core for details.
- Biology majors’ courses with labs  or
- Chemistry majors’ courses with labs  or
- Physics majors’ courses with labs

3. Core Requirements: Basic Level
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;
   - Core: Required, satisfies the CPP
     - COP 3223 Introduction to Programming with C and CPP
     - MAC 2311C Calculus with Analytic Geometry I and CPP
     - MAC 2312 Calculus with Analytic Geometry II and CPP
     - MAC 2313 Calculus with Analytic Geometry III and CPP
     - STA 2023 Statistical Methods I and CPP
     - and two semesters equivalent within the following:
       - These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
         - CHM 2045C Chemistry Fundamentals I and GEP/CPP

- or an alternate sequence,
  - These two semesters only count as one, and are considered as equivalent to the above course.
    - CHM 2040 Chemistry Fundamentals I A and GEP/CPP
    - CHM 2041 Chemistry Fundamentals IB GEP/CPP

- or complete both
  - Lecture plus lab count as one semester.
    - CHM 2046 Chemistry Fundamentals II and CPP
    - CHM 2046L Chemistry Fundamentals Laboratory CPP

- or
  - BSC 2010C Biology I or GEP/CPP
  - BSC 2011C Biology II or CPP
  -PHY 2048C Physics for Engineers & Scientists I or GEP/CPP
  - PHY 2049C Physics for Engineers and Scientists II CPP

4. Core Requirements: Advanced Level
   - STA 4102 Computer Processing of Statistical Data 3 hrs
   - STA 4163 Statistical Methods II 3 hrs
   - STA 4164 Statistical Methods III 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 4500 Numerical Calculus 3 hrs

Select from the following courses:
- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs

Select from the following courses:
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

5. Restricted Electives (6 hrs)
   - Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
   - Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
   - The following courses cannot be used to satisfy this requirement:
     - MAC 2333 Concepts of Calculus 3 hrs
     - MAC 2253 Applied Calculus 3 hrs
     - MAC 2254 Applied Calculus II 3 hrs
     - MHF 4404 History of Mathematics 3 hrs
   - All MAE courses

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - The following courses from business may be used without prior approval by the Statistics Department.
     - ACG 2021 Principles of Financial Accounting 3 hrs
     - ACG 2071 Principles of Managerial Accounting 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs
     - FIN 3403C Business Finance 4 hrs
UCF Degree Programs

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 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 taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
   - Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
   - Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses are also a core requirement and will need to be taken.
   - Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
   - This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   - Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
   - Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
   - Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Spring
   - MAC 2312 Calculus with Analytic Geometry I 4 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - ENC 1101 Composition I 3 hrs
   - GEP 3 hrs
   - Select one course: CHM 2045C Chemistry Fundamentals I or 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
   - SOPHomore Year - Spring STA 4164 Statistical Methods III 3 hrs
   - COP 3223 Introduction to Programming with C 3 hrs
   - Core Course 3 hrs
   - Core Course 4 hrs

Junior Year - Fall
   - 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
   - COP 4500 Numerical Calculus 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - Core Course 3 hrs
   - Elective / Minor 3 hrs
   - Take SOA EXAM P (Probability).

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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)

College of Education

Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293
Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrub.ucf.edu/home.

Admission Requirements
   - Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
   - Have a minimum 2.5 overall GPA
   - Complete prerequisite courses
   - Meet the Gordon Rule Requirement
   - Meet Foreign Language Admission Requirement
### Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

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

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<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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#### 2. Common Program Prerequisites (CPP) (9 hrs)
- 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)

#### 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 3 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs

**Select 1:**
- BTE 4410 Course Construction in Business Education 3 hrs
- ECT 3371 Course Construction in Industrial Education 3 hrs

#### Technical Specialization Requirements (30 hrs)
- Students must complete an area specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

#### 5. Restricted Electives (18 hrs)
- 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
- None

### Admissions
- 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 48 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

#### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (120 hrs)

#### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs

#### Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

317 Undergraduate Catalog 2012-2013
Sophomore Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs

Select 1: 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- Technical Specialization Courses 9 hrs

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
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu
- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- 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. Students are not accepted to begin in the Spring or Summer semesters.
- Co-op credit cannot be used in this major.
Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.

Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.

All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation assignments for credits taken in another university. However, students must complete the remaining credits at UCF.

Students must 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.

Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

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<td>Explorations in Mathematics</td>
<td>3 hrs</td>
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<td>MGF 1106</td>
<td>Finite Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
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Statistics - Computers

Select a course from GEP C.2 list

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<tr>
<td>TPP 2290C</td>
<td>Technical Theatre Production Lab</td>
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B: Cultural & Historical Foundations (9 hrs)

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

A: Communication Foundations (9 hrs)

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<td>History of Western Art II</td>
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2. Common Program Prerequisites (CPP) (20 hrs)

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<td>American Sign Language</td>
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C: Mathematical Foundations (6 hrs)

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D: Social Foundations

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F: Design & Technology

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G: Specializations

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<td>THE 2305</td>
<td>Introduction to Stagecraft</td>
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H: Electives

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I: Capstone Experience

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J: Transfer Notes

1. See Transfer Notes for possible substitutes.

K: Critical Thinking

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L: Career Development

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</table>

Z: Career Development
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPP 3173C</td>
<td>Acting Ill - Building the Character and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3510C</td>
<td>Movement for the Actor I and</td>
<td>2 hrs</td>
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<tr>
<td>TPP 3513C</td>
<td>Movement for the Actor II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4512C</td>
<td>Stage Combat and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3257C</td>
<td>Musical Theatre Voice I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3258C</td>
<td>Musical Theatre Voice II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3711C</td>
<td>Voice Production II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3712C</td>
<td>Voice Production III and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4730C</td>
<td>Dialects and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4140C</td>
<td>Acting IV - Creating the Role and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4142C</td>
<td>Acting Verse and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4265C</td>
<td>Camera Acting and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4531C</td>
<td>Period Movement and</td>
<td>2 hrs</td>
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<tr>
<td>TPP 4221</td>
<td>Auditioning and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4223C</td>
<td>Theatre Careers for Performance and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2190L</td>
<td>Theatre Participation-Performance I and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship and</td>
<td>6 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Electives (see list of courses)</td>
<td>12 hrs</td>
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</table>

#### Select 1:
- 2 hrs
- DAA 2570C Jazz Dance I or
- DAA 2100C Modern Dance I

<table>
<thead>
<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production I or</td>
</tr>
<tr>
<td>THE 4093L</td>
<td>Theatre Participation-Management I or</td>
</tr>
<tr>
<td>TPP 4193L</td>
<td>Theatre Participation-Performance I</td>
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### Stage Management Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TPA 2210L</td>
<td>Stagecraft I Lab and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft II Lab and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4288L</td>
<td>Theatre Participation-Production I and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production II and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>Theatre Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2010C</td>
<td>Scenography and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>Stage Electronics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2500</td>
<td>Stage Management Basics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4602</td>
<td>Advanced Stage Management and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4265</td>
<td>Period Costume, Architecture, and Decor II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>Theatre Careers in Production and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3045C</td>
<td>Scene Design for Theatre I or</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3060C</td>
<td>Scenic Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3077C</td>
<td>Scene Painting and</td>
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<tr>
<td>TPA 3335C</td>
<td>Topics in Technical Theatre</td>
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<tr>
<td>TPA 3607C</td>
<td>Scenic Design for Theatre II or</td>
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<tr>
<td>TPA 4061C</td>
<td>Scenic Design for Theatre II or</td>
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</tr>
<tr>
<td>TPA 3045C</td>
<td>Costume Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3223C</td>
<td>Lighting Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3265C</td>
<td>Sound Design for Theatre I or</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4041C</td>
<td>Costume Design for Theatre II or</td>
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<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4264C</td>
<td>Sound Design for Theatre II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management Basics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>Advanced Scenography and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4940L</td>
<td>Theatre Internship and</td>
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</tr>
<tr>
<td></td>
<td>Design Electives (see list of courses)</td>
<td>9 hrs</td>
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#### 5. Restricted Electives

- (except where required for a specialization - see specializations for credit hours)
- Choose from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>TPA 4224L</td>
<td>Theatre Participation-Production II and</td>
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</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre/Performance</td>
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<td>TPA 3952L</td>
<td>Summer Studio Performance</td>
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<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I and</td>
<td>3 hrs</td>
</tr>
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<td>THE 4265</td>
<td>Period Costume, Architecture, and Decor II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4143C</td>
<td>Acting Styles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2284L</td>
<td>Stagecraft I Lab and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft II Lab and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4288L</td>
<td>Theatre Participation-Production I and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4298L</td>
<td>Theatre Participation-Production II and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4264C</td>
<td>Sound Design for Theatre II or</td>
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<tr>
<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management Basics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>Advanced Scenography and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4940L</td>
<td>Theatre Internship and</td>
<td>6 hrs</td>
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</tbody>
</table>

#### Design Electives

- (for Design and Technology Specialization)

- Select three from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TPA 3060C</td>
<td>Scenic Design for Theatre I or</td>
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<tr>
<td>TPA 3045C</td>
<td>Costume Design for Theatre I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3223C</td>
<td>Lighting Design for Theatre I or</td>
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</tr>
<tr>
<td>TPA 3265C</td>
<td>Sound Design for Theatre I or</td>
<td>3 hrs</td>
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### Design & Technology Specialization

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art I and</td>
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<td>TPP 2210L</td>
<td>Stagecraft I Lab and</td>
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</tr>
<tr>
<td>TPP 2211L</td>
<td>Stagecraft II Lab and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2170C</td>
<td>Introduction to Theatre Production</td>
<td>2 hrs</td>
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<td></td>
<td>Document and</td>
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<tr>
<td>TPA 2230C</td>
<td>Scenic Design for Theatre I or</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design I and</td>
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<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2248L</td>
<td>Theatre Participation-Production II and</td>
<td>1 hr</td>
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<tr>
<td>TPA 4288L</td>
<td>Theatre Participation-Production I and</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2071C</td>
<td>Theatre Rendering and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2010C</td>
<td>Scenography and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4265</td>
<td>Period Costume, Architecture, and Decor II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management Basics and</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- (None)

### 7. Foreign Language Requirements

### Admissions

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

### Graduation

- (None)

### Electives

- (variable)

### 9. Additional Requirements

- (None)

### 10. Required Minors

- (None)
11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a “B” Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit
- Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 May use any introductory course, however, 3 hrs
  - THE 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective. 3 hrs
  - THE 2304 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. 3 hrs
  - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken. 3 hrs
  - TPA 2220 may be substituted with any introductory Stagecraft course. 3 hrs
  - 1 TPP 3310C Directing for Theatre I may be substituted with: TPP 2300 3 hrs
  - Or any introductory Theatre Directing course.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aob/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Theatre - Musical Theatre Track (B.F.A.)

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu/
Earl Weaver, Earl.Weaver@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UC theatre production.
Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.

Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grade improvement is not made, the student is required to withdraw from the major.

Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor are not eligible to participate in the major. Repeated failure to consult with a department advisor may lead to removal from the program.

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 be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required: THE 2020 Survey of Theatre for Majors 3 hrs
- Select one course from 1.B.1 list
- Select one course from 1.B.2 list

C: Mathematical Foundations (6 hrs)
- Math:
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or 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
2. THE 2304 Script Analysis 3 hrs
3. THE 2090L Theatre Participation-Management I 1 hr
4. TPP 2290L Theatre Participation-Production I 1 hr
5. TPP 2201 Technical Theatre Production 2 hrs
6. TPP 2201L Technical Theatre Production Lab 1 hr
7. TPP 3310C Directing for Theatre I 3 hrs
8. TPP 2110C Acting I - Introduction 3 hrs
9. TPP 2170C Acting II - The Actor Prepares 3 hrs
10. Theatre Elective (THE, TPP, TPA prefix) 3 hrs

1. See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)

- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- DAA 2200C Ballet I 2 hrs
- DAA 2201C Ballet II 2 hrs
- DAA 2570C Jazz Dance I 2 hrs
- DAA 2571C Jazz Dance II 2 hrs
- DAA 2520C Tap Dance I 2 hrs
- TPP 2248C Makeup Techniques 2 hrs
- THE 2081C Introduction to UCF Theatre 0 hrs

4. Core Requirements: Advanced Level (50 hrs)

- TPP 3173C Acting III - Building the Character 3 hrs
- TPP 4140C Acting IV - Creating the Role 3 hrs
- TPP 3251C Musical Theatre Acting I 3 hrs
- TPP 3252C Musical Theatre Acting II 3 hrs
- THE 2444 Musical Theatre History I 3 hrs
- THE 2425 Musical Theatre History II 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPP 3257C Musical Theatre Voice I 2 hrs
- TPP 3258C Musical Theatre Voice II 2 hrs
- TPP 4295C Musical Theatre Voice III 2 hrs
- TPP 4923C Musical Theatre Voice IV 2 hrs
- TPP 4746C Musical Theatre Repertoire 2 hrs
- TPP 4940L Theatre Internship 6 hrs
- TPP 4253C Musical Theatre Acting III 3 hrs
- TPP 4223C Theatre Careers for Performance 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs

Select 1:
- 2 hrs

1. (1 credit course, must be taken twice)

- 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

Movement Electives

2 hrs

Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1:
- 2 hrs

- TPP 4531C Period Movement or 2 hrs
- TPP 4512C Stage Combat 2 hrs
11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course.
- Maintain a "B" Theatre GPA (3.0) or better.
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - TPP 3413C Directing for Theatre I 3 hrs
  - TPP 3414C Directing for Theatre II 3 hrs
  - TPP 3415C Directing for Theatre III 3 hrs
  - TPP 3416C Directing for Theatre IV 3 hrs
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - TPP 3412C Directing for Theatre II 3 hrs
  - TPP 3413C Directing for Theatre III 3 hrs
  - TPP 3414C Directing for Theatre IV 3 hrs
  - TPP 3415C Directing for Theatre V 3 hrs
  - TPP 3416C Directing for Theatre VI 3 hrs
  - THE 2020 Survey of Theatre for Majors 3 hrs

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program.
- Theatre majors who participate in production work 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 a part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “D” 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 (GE)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Required THE 2020 Survey of Theatre for Majors 3 hrs
Select one course from 1.B.1 list
Select one course from 1.B.2 list

C: Mathematical Foundations (6 hrs)

Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

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

1 THE 2020 Survey of Theatre for Majors GEP
THE 2304 Script Analysis 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
TPA 2201L Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPP 3310C Directing for Theatre I 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
TPP 2101 Fundamentals of Acting 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (10 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1:
TPA 4290L Theatre Participation-Production II or 1 hr
TPA 4290L Theatre Participation-Production II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)

Select 16 hours from the following:

THE 4230 Cultural Diversity in Theater 3 hrs
THE 3082 Theatre Careers 3 hrs
TPP 4143C Acting Styles 3 hrs
TPP 3264C Acting on Camera 3 hrs
THE 2025 Introduction to Theatrical Design 3 hrs
THE 3420 Musical Theatre Survey 3 hrs
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr
THE 5307 Contemporary Theatre Practice 3 hrs
TPA 2240C Makeup Techniques 2 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
TPA 3195L Summer Theatre Studio/Techn Design I 3 hrs
TPA 3197L Summer Theatre Studio/Techn Design II 3 hrs
TPA 2600 Stage Management Basics 3 hrs
TPA 4400  Theatre Management  3 hrs
TPP 3179L Summer Theatre/Performance  3 hrs
TPP 3952L Summer Studio Performance  3 hrs
1 TPP 4311C Advanced Directing for Theatre  3 hrs
TPA 3601  Stage Management  3 hrs
TPP 4243C Circus Arts  2 hrs
THE 4912  Directed Independent Research  1 hr
TPP 4512C Stage Combat  2 hrs
THE 4423  Women in Theatre  3 hrs
THE 4543  Theatre for Social Change  3 hrs
THE 4212  Global Theatre  3 hrs
THE 3383  Taboo Theatre: Sex & Violence on Stage  3 hrs
THE 3250  Sex, Drugs, & the Rock and Roll Musical  3 hrs
Any DAA or DAN courses taught by the theatre department 2 hrs
Honors in the Major Directed Readings and Thesis (see #1 footnote) 3 hrs
1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by graduation requirement
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
None

10. Required Minors
Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor.

11. Departmental Exit Requirements
Earn a grade of "C" (2.0) or better in each Theatre course.
Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
Complete an Exit Survey, and Exit Interview/Audit the semester prior to final semester of theatre classes.
Minimum of 30 theatre credits must be completed in residency at UCF.
Computer Competency met by the following or Computer Science Course:
STA 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
- Film
- Music
- Theatre

Certificates
None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes
None

Transfer Notes
Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1 THE 2020  Survey of Theatre for Majors  3 hrs
may be substituted with:
THE 2304  Script Analysis  3 hrs
THE 2300  Script Analysis  3 hrs
THE 3330  Script Analysis  3 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPP 3310C  Directing for Theatre I  3 hrs
may be substituted with:
THE 2020  Survey of Theatre for Majors  3 hrs
may be substituted with:
1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term
### Minors and Certificates

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

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

**Minors**

- Accounting
- Actuarial Science
- Aerospace Studies
- African American Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Media
- Diplomacy
- Diversity and Social Inequality
- Early Childhood Development and Education
- Economic Policy
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Student Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Foreign Language Education
- French
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robotic Systems
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematical Biology
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nonprofit Management/National Certification Program in Nonprofit Management
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women's Studies
- World Comparative Studies
- Writing and Rhetoric

**Certificates**

- Aging Studies Certificate
- Behavioral Forensics Certificate
- Children's Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Marketing: e-Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Retailing Management Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Services Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Nonprofit Management Certificate
- Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women's Studies Certificate

**Additional UCF Programs**

- Study Abroad Programs:
  - Argentina
  - Austria
  - Australia
  - Bahamas
  - Botswana
  - Brazil
  - China
  - Costa Rica
  - Czech Republic
  - Ecuador
  - France
  - Germany
  - Honduras
  - Japan
  - Italy
  - Lithuania
  - Netherlands
  - Peru
  - Panama
  - Poland
  - Russia
  - South Africa
  - Spain
  - Sweden
  - UK
### Accounting - Minor

**College of Business Administration**  
**Kenneth G. Dixon School of Accounting,**  
**Business Administration II, Room: 101**  
Phone: 407-823-2184

For Business and Non-Business Majors.

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
(9 hrs)

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**Restricted Electives**  
(12 hrs)

Select 4:
- At least three courses must have either an ACG or TAX prefix

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<tr>
<td>ACG 4651</td>
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<td>TAX 4001</td>
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<td>FIN 4453</td>
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**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 25

### Other Requirements
- No additional courses are required.

### Foreign Language Requirements
- No Foreign Language is required.

### Actuarial Science - Minor

**College of Sciences**  
**Department of Statistics,**  
**Computer Center II, Room: 212**  
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.

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**Required Courses**  
(25 hrs)

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<td>FIN 3403C</td>
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<tr>
<td>STA 4852</td>
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**Restricted Electives**
- No additional courses are required.

**Foreign Language Requirements**
- No Foreign Language is required.

**Total Semester Hours Required**
- 25

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

### Aerospace Studies - Minor

**College of Engineering and Computer Science**  
**Air Force ROTC, ROTC Trailer, Room: 103**  
Col. Michael J. Chandler  
Phone: 407-823-1247

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  
(16 hrs)

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<td>AFR 2130C</td>
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<td>AFR 2131C</td>
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<td>AFR 4210C</td>
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**Required Courses**  
(16 hrs)

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<tr>
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<td>AFR 4210C</td>
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[Active Duty II](http://statistics.cos.ucf.edu/)
African-American Studies - Minor

College of Arts and Humanities

Program in African American Studies, Colbourn Hall, Room: 110

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

Anthony Major, anthony.major@ucf.edu, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs

Restricted Electives (12 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- AFA 2300 African American Music 3 hrs
- AFA 3371 Evolution of Hip Hop 3 hrs
- AFA 3420 Malcolm X, Black Nationalism, and Internationalism 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
- AFA 4105 Documenting African American Heritage and Life 3 hrs
- AFH 3100 African History to 1870 3 hrs
- AFH 3200 African History Since 1870 3 hrs
- AFH 5806 The Historiography of Slavery in Africa 3 hrs
- AMH 3403 History of the South Since 1865 3 hrs
- AMH 3571 Black American History I 3 hrs
- AMH 3572 Black American History II 3 hrs
- AML 3614 Topics in African-American Literature 3 hrs
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3398 Black/Semio-Semantic Relations 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 4352 African Societies and Cultures 3 hrs
- ARH 3520 African Art 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- FIL 3831 Black Cinema 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- MLL 2016 Evolution of Jazz 3 hrs
- PHI 3790 African Philosophy 3 hrs
- PHP 3781 African-American Philosophy 3 hrs
- POS 4622 Politics and Civil Rights 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs
- SOP 3724 Psychology of Prejudice 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs
- WST 3460 Women, Race and Struggle 3 hrs

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.

Internship or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Aging Studies - Minor

College of Health and Public Affairs

School of Social Work,
Health and Public Affairs, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, 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 course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SYP 4941 Internship 3 hrs
  - SOW 4510 Field Education 9 hrs
  - SOW 4941 Internship 9 hrs

For full-time social work majors. Cannot be used with SOW 4941.
3 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 in their College must be taken and at least TWO courses must be outside their college.

College of Health and Public Affairs

HSA 4220 Long Term Patient Management 3 hrs
HSA 4222 Long Term Care and Administration 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs

Internship or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Total Semester Hours Required
- 18

Foreign Language Requirements
- None

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) 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.
MINORS

American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 490
http://www.cah.ucf.edu/

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (9 hrs)
- Literature and Humanities
  - Select 1: 3 hrs
    - AML 3031 American Literature I or
    - AML 4101 American Novel
    - AML 4261 Literature of the South or
    - AML 3682 Ethnic Literature in America

Social Sciences
■ Select 1:
  - POS 3413 The American Presidency or
  - POT 3284 American Political Thought or
  - SYD 3700 Race and Ethnicity or
  - SYP 3630 Popular Culture in Society

History
■ Select 1:
  - ANH 3561 Women in American History I or
  - ANH 4110 Colonial America, 1607-1763 or
  - ANH 4130 The Age of the American Revolution, 1763-
  - ANH 4311 American Culture I or
  - ANH 4313 American Culture II

Restricted Electives (12 hrs)
■ 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
■ At least eighteen credit hours must be earned in upper level credits.

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

1 Open to undergraduates with senior standing

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the program.
■ No credit by exam (TSD, Military credit) may be used.
■ Independent Study credit may not be used toward the minor.

At least eighteen credit hours must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ No more than 9 hours may be taken in one area.

Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu

Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- ANT 2000 General Anthropology

Restricted Electives (15 hrs)
A. Concentration in General Anthropology
- ANT 2140 Archaeology and the Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species
- Select additional upper level (3000-5999) Anthropology courses

B. Concentration in Archaeology
- ANT 2140 Archaeology and the Rise of Human Culture

Complete at least four of the following 12 hrs courses;
- ANT 3106 Archaeology and Popular Culture or
- ANT 3115 Archaeological Method and Theory or
- ANT 3142 Old World Prehistory or
- ANT 3145 Archaeology of Complex Societies or
- ANT 3148 Life and Death in Ancient Egypt or
- ANT 3152 Indians of the Southwest or
- ANT 3156 Florida Archaeology or
- ANT 3160 Americas Before Columbus or
- ANT 3161 Archaeology of Mexico or
- ANT 3163 Mesoamerican Archaeology or
- ANT 3164 Ancient Incas or
- ANT 3165 Archaeology of South America or
- ANT 3168 Maya Archaeology or
- ANT 3173 Archaeology of Sex or
- ANT 3177 Archaeology of Caribbean Piracy or
- ANT 4153 North American Archaeology or
- ANT 4180C Seminar in Laboratory Analysis or
- ANT 4183 Archaeological Sciences or
- ANT 4184 Mortuary Archaeology or
- ANT 4824 Advanced Archaeological Fieldwork or
- ANG 5165 Problems in Maya Studies or
- ANG 5167 Maya Hieroglyphs or
- ANG 5228 Maya Iconography or
- ANG 5622 Maya Field Research

1 Open to undergraduates with senior standing

At least 15 hours used in the minor must be earned at UCF.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
■ At least eighteen credit hours must be earned in upper level credits.

1 Open to undergraduates with senior standing
### 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 | 3 hrs |
| ANT 2410 | Cultural Anthropology | 3 hrs |

### Restricted Electives

<table>
<thead>
<tr>
<th>(15 hrs) Select from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4303</td>
</tr>
<tr>
<td>ANT 4332</td>
</tr>
<tr>
<td>ANT 4340</td>
</tr>
<tr>
<td>ANT 4408</td>
</tr>
<tr>
<td>ANT 4467</td>
</tr>
<tr>
<td>ANT 4516</td>
</tr>
<tr>
<td>ANT 4702</td>
</tr>
<tr>
<td>SYD 3700</td>
</tr>
</tbody>
</table>

- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

### Art - Studio - Minor

#### College of Arts and Humanities

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

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

Phone: 407-823-2676

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

<table>
<thead>
<tr>
<th>(18 hrs) Required Courses</th>
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<tbody>
<tr>
<td>ARH 2050</td>
</tr>
<tr>
<td>ARH 2051</td>
</tr>
<tr>
<td>ART 2201C</td>
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<td>ART 2203C</td>
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<tr>
<td>ART 2300C</td>
</tr>
<tr>
<td>ART 2301C</td>
</tr>
<tr>
<td>ART 3550</td>
</tr>
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</table>

### Restricted Electives

<table>
<thead>
<tr>
<th>(6 hrs) Restricted Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYD 3700</td>
</tr>
</tbody>
</table>

- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.
Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

Art History - 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

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 unclad human figures and, in certain studio classes, live nude models.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

- ARH 2050 History of Western Art I  3 hrs
- ARH 2051 History of Western Art II  3 hrs
- ARH 4310 Italian Renaissance Art  3 hrs
- ARH 4430 19th Century Art  3 hrs
- ARH 4450 20th Century Art  3 hrs

Non-Western/Ancient Course Requirement  3 hrs

Select 1:  3 hrs

- ARH 3520 African Art or  3 hrs
- ARH 3670 20th Century Latin American Art or  3 hrs
- ARH 4130 Greek Art and Architecture or  3 hrs
- ARH 4150 Roman Art and Architecture or  3 hrs
- ARH 4540 Art of India or  3 hrs
- ARH 4653 Meso American Art  3 hrs

Restricted Electives (9 hrs)

- ARH 4200 Medieval Art  3 hrs
- ARH 4350 Baroque Art  3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts  3 hrs
- ARH 4871 Women in Art  3 hrs

6 Hours of electives  6 hrs

- Two additional ARH 3XXX-4XXX courses

Foreign Language Requirements

- None

Total Semester Hours Required

- 27

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Asian Studies - Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472

An interdisciplinarity minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)

- HUM 3401 Asian Humanities  3 hrs

Restricted Electives (18 hrs)

- Approved courses (see department for listing)

Foreign Language Requirements

- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
Email: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements

- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF.
- 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.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- AST 2002 Astronomy 3 hrs
- AST 2002L Astronomy Lab 1 hr
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- AST 3110 Solar System Astronomy 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5775
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelor of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- ECHM 202L Chemistry Fundamentals Laboratory 1 hr
- CHEM 2210L Organic Chemistry I 3 hrs
- CHEM 2211L 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
- CAP 5512 Evolutionary Computation or 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 4518 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 4518 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology

Email: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.
Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or, depending on Chemistry Placement score 6 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2210 Organic Chemistry I 3 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: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
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 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:
- PCB 3233 Immunology or 3 hrs
- PCB 4520 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 of Chemistry, with a minimum GPA of 2.0.

Chemistry - Minor

College of Sciences
Department of Chemistry, Physical Sciences
Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemistry@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C-”(1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

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

Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Minors

Required Courses (15 hrs)

- and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Restricted Electives (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
- CHS 3530C: Forensic Analysis of Controlled Substances
- CHM 3411L: Physical Chemistry Laboratory
- CHM 3215L: Organic Laboratory Techniques II
- CHM 4130: Advanced Analytical Laboratory Technique
- CHM 5451C: Techniques in Polymer Science

Group II:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCH 4032</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
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<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</td>
<td>3 hrs</td>
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<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td>4 hrs</td>
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<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
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<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry</td>
<td>3 hrs</td>
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<tr>
<td>CHM 4220</td>
<td>Organic Chemistry III</td>
<td>3 hrs</td>
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<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy</td>
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</tr>
<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Department of Education, College of Arts and Humanities, Education Building, Room: 209

Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements

- 2.5 GPA

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- ATR 4132: Human Injuries: Mechanisms & Prevention
- PET 3765: Coaching Theory
- PET 4215: Motivational Aspects of Athletic Performance
- PET 4763: Coaching Methods And Principles
- SPM 3204: Sports and Ethics

Select 1:

- PEO 3624: Coaching Basketball or Biochemical Methods
- PEO 3644: Coaching Football or
- PEO 3324: Coaching Volleyball

An overall GPA of 2.5 is required to satisfy the minor.
- No grades below “C” (2.0) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Cognitive Sciences - Minor

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (15 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience

- PSB 3002: Physiological Psychology or 3 hrs
- PSB 4240C: Neuropsychology or 4 hrs
- ZOO 3744: Neurobiology

Philosophy

- PHI 3320: Philosophy of Mind or 3 hrs
- PHI 3323: Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3451: Philosophy of Psychology or 3 hrs
- PHI 4341: Ways of Knowing or 3 hrs
- PHI 4400: Philosophy of Science or 3 hrs
- PHI 4935: Topics in Philosophy of Mind or 3 hrs

Psychology

- EXP 2204C: Perception or 4 hrs
- EXP 3604C: Cognitive Psychology or 4 hrs
- EXP 4507C: Advanced Human Memory and Cognition or 3 hrs

Computer Science and Information Technology

- CAP 4453: Robot Vision or 3 hrs
- CAP 4630: Artificial Intelligence or 3 hrs
- EEL 3531: Information Theory or 3 hrs
- EEL 3552C: Analog and Digital Communication Fundamentals or 4 hrs
<table>
<thead>
<tr>
<th>Language and Linguistics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3610 Language and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3010 Principles of Linguistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716 Language Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3717 Language Development 9 - 18 Years or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221 Philosophy of Language or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3640 Psychology of Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (6 hrs)**

**Select 2:**

- ANT 3541 Biobehavioral Anthropology or
- ANT 3550C Primatology or
- ANT 3610 Language and Culture or
- ANT 4586C Human Origins or
- CAP 4630 Artificial Intelligence or
- CAP 5015 Multimedia Compression on the Internet or
- CAP 5415 Computer Vision or
- CAP 5512 Evolutionary Computation or
- COP 4520 Concepts of Parallel and Distributed Processing or
- EXP 3204C Perception or
- LIN 4711 Language Analysis or
- LIN 4711L Language Analysis Lab or
- MAP 4103 Mathematical Modeling I or
- PHI 2101 Formal Logic I or
- PHI 2108 Critical Thinking or
- PHI 3626 Advanced Ethics in Science and Technology or
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
- PHI 4500 Metaphysics or
- PSY 4025 The Psychology of Art or
- PSY 3213C Research Methods in Psychology

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**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.
- No credit by exam (TSD, Military credit) may be used.

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**Communication Sciences and Disorders - Minor**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101**


Email: advising@ucf.edu

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- SPA 3471 Communication Disorders in Literature and Media
- SPA 3112 Basic Phonetics
- SPA 3112L Basic Phonetics Lab
- LIN 3716 Language Development
- LIN 3716L Language Development Lab
- SPA 3101 Physiological Bases of Speech and Hearing

**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.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

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**Community Arts - PAVE - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**


Phone: 407-823-2676

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

---

**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](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
Minors

Prerequisite Courses
- None

Required Courses (19 hrs)
- COP 3223 Introduction to Programming with C 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- CDA 3103 Computer Logic and Organization 3 hrs

Select 1: (3 hrs)
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted Electives (12 hrs)
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor

College of Sciences

Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu

Dr. J. Jasinski, sociology@ucf.edu, 407-823-7444

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 3520 Criminology 3 hrs

Required: Complete one of the following: (3 hrs)
- SYG 2000 Introduction to Sociology or 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
Mary Ann Eastep, 407-823-2803

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

Restricted Electives (12 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

- Six semester hours of Criminal Justice courses (selected with aid of an advisor) 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor

College of Arts and Humanities

Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu/
Earl Weaver, Earl.Weaver@ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- DAN 3134 Dance History I 3 hrs
- DAA 3612 Dance Improvisation/Composition I 3 hrs
- DCA 2010C Modern Dance I 2 hrs
- DAA 2200C Ballet I 2 hrs
- DAA 3684 Dance Performance 1 hr
Minors

Restricted Electives (7 hrs)
- DAA 2570C Jazz Dance I 2 hrs
- DAA 2571C Jazz Dance II 2 hrs
- DAA 2520C Tap Dance I 2 hrs
- DAA 2521C Tap Dance II 2 hrs
- DAA 3524C Tap Dance III 2 hrs
- DAA 2201C Ballet II 2 hrs
- DAA 3206C Ballet III 2 hrs
- DAA 2101C Modern Dance II 2 hrs
- DAA 3108C Modern Dance III 2 hrs
- DAA 2393C World Dance 2 hrs
- DAA 3645 Choreography Practicum 2 hrs
- DAA 3684 Dance Performance 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

Digital Media - Minor

College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
- Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

Digital Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (9 hrs)
- Select from the following:
- AMH 4512 US Diplomatic History: 1914-1945 3 hrs
- EUH 3242 Modern Europe and the First World War 3 hrs
- EUH 3281 Second World War and Rebirth of Europe 3 hrs
- EUH 4574 History of Russia: 1801-1917 3 hrs
- EUH 4576 History of Russia in the 20th Century 3 hrs
- EUH 4620 European Great Powers: 1815-1914 3 hrs
- EUH 4663 History of Communism in Europe 3 hrs
- INR 4054 Global Politics of Energy 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4351 International Environmental Law 3 hrs
- INR 4401 International Law 3 hrs
- INR 4502 International Organizations 3 hrs
- INR 4603 International Relations Theory 3 hrs
- INR 4774 Politics of International Trade Policy 3 hrs
- POT 4314 Contemporary Democratic Policy 3 hrs
- POT 4632 Religion and Politics 3 hrs

Foreign Language Requirements
- None
Minors

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.
- Students majoring in history or political science can take no more than 3 hrs of Restricted Electives in their major department.

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 3530 Social Power and Inequality 3 hrs

Required: Complete one of the following: (3 hrs)
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYO 3410 Urban Society 3 hrs
  - SYO 3700 Race and Ethnicity 3 hrs
  - SYO 3800 Sex and Gender in Society 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYO 4810 Women in Contemporary Society 3 hrs
  - SYO 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
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Completion of an A.A. degree from a Florida public post secondary institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.

Minor Requirements
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Restricted Electives (3 hrs)
Choose one:
- 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
- EEX 4751 Parent Involvement in Education 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None
Economic Policy - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, mcaputo@bus.ucf.edu
David Scrogin, 407-823-4129
Nora Underwood, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors. Not open to Economics BA or BSBA majors.

The Economics Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives (12 hrs)
Select 4:
ECO 3223 Money and Banking 3 hrs
ECO 3704 Global Economic Policy 3 hrs
ECO 4303 History of Economic Thought 3 hrs
ECO 4751 Law and Economics 3 hrs
ECP 3502 Economics and the Environment 3 hrs
ECP 3006 Economics of Sports 3 hrs
ECS 4013 Development Economics 3 hrs
Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.

Economics - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration.

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 ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
Upper Division Restricted Electives 9 hrs
Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Minors

Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/
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 a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
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<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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Restricted Electives
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4342</td>
<td>Programs in Teaching Language and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Email: pa/ba/bs@ucf.edu
Dr. Claire Knox, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PAD 4622</td>
<td>Intergovernmental Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3 hrs</td>
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<th>Course Code</th>
<th>Course Title</th>
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<td>DSC 4012</td>
<td>Terrorism or</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
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Energy and Sustainability - Minor
College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.
Minor Admission Requirements
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- IDS 3150 Foundations of Environmental Studies 3 hrs
- EGN 4824 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1:
- GEB 4152 Technological Entrepreneurship or 3 hrs
- IDS 4949 Cooperative Education 0 hrs

Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:
  - Energy Systems Design
    - EEL 4216 Fundamentals of Electric Power Systems 3 hrs
    - EML 4411 Mechanical Power Systems 3 hrs
    - EML 4454 Turbines for Sustainable Power 3 hrs
    - EML 4600 HVAC Systems Engineering 3 hrs
    - EML 4602 Applied HVAC Engineering 3 hrs

  - Water, Environment and Waste Management
    - ENV 3001 Introduction to Environmental Engineering 3 hrs
    - ENV 4120 Air Pollution Control or 3 hrs
    - ENV 4341 Solid & Hazardous Waste Management or 3 hrs
    - ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

  - Business and Public Policy
    - ECP 3302 Economics and the Environment or 3 hrs
    - ECP 4303 Environmental and Natural Resource Economics or 3 hrs
    - RREE 3614 Environmental Issues for Real Estate 3 hrs

  - Social and Ethical Dimensions
    - INR 4350 Global Environmental Politics or 3 hrs
    - INR 4351 International Environmental Law or 3 hrs
    - PAD 4351 Issues in Environmental Program Management or 3 hrs
    - PHI 3640 Environmental Ethics or 3 hrs
    - PLA 4545 Environmental Law or 3 hrs
    - PUP 3203 Environmental Politics or 3 hrs
    - PUP 4209 Urban Environmental Policy or 3 hrs
    - SYD 4510 Environment and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.
Minors

CRW 3310  Poetry Writing Workshop  3 hrs
CRW 3610  Writing Scripts  3 hrs

Select one course
CRW 4122  Advanced Fiction Writing Workshop  3 hrs
CRW 4224  Advanced Nonfiction Workshop  3 hrs
CRW 4320  Advanced Poetry Writing Workshop  3 hrs
CRW 4616  Advanced Scriptwriting Workshop  3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select three courses  9 hrs
CRW 3311  Structure of Verse  3 hrs
CRW 4114  History of Prose Style  3 hrs
CRW 4724  The Florida Review  3 hrs
CRW 4014  The Writing Life  3 hrs
ENC 3310  Magazine Writing I  3 hrs
CRW 4722  Editing for Creative Writers  3 hrs
CRW 3950  Cypress Dome Editorship  3 hrs
CRW 6806C  Teaching Creative Writing  3 hrs
Any other CRW elective or Special Topics course  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required  21

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
LIN 3010  Principles of Linguistics  3 hrs
LIN 4105  History of the English Language  3 hrs
LIN 4680  Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
LIN 4643  Cross Cultural Communication  3 hrs
LIN 4660  Linguistics and Literature  3 hrs
LIN 4801  Language and Meaning  3 hrs
LIN 5137  Linguistics  3 hrs
ANT 3610  Language and Culture  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4221  Philosophy of Language  3 hrs
SPA 3112  Basic Phonetics  3 hrs
Or any course approved by the Linguistics Committee  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required  18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
ENC 4215  Technical Publication and Project Management  3 hrs
ENC 4218  The Visual in Technical Documentation  3 hrs
ENC 4293  Documentation and the Collaborative Process  3 hrs
ENC 4294  Documentation and Client-Based Collaboration  3 hrs
ENC 4280  Technical Writing Style  3 hrs
ENC 3241  Writing for the Technical Professional  3 hrs

Students completing the minor may intern with a Central Florida corporation

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required  18
Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- A grade of "C" (2.0) or better is required in these courses
  - EDG 4110 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
  - LAE 4360 English Instructional Analysis 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://www.cei.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in COB core or the following course:
  - BUL 4540 Employment Law 3 hrs

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://web.bus.ucf.edu/

All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

Minors
Minors

Select 1:  
GEB 3113 How to Start a Business or Management of Human Resources 3 hrs
MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses  
GEB 4110 Business Plan Preparation 3 hrs
GEB 4111 New Venture Finance 3 hrs

Select 1:  
GEB 4152 Technological Entrepreneurship or MAN 4802 Entrepreneurship 3 hrs

Restricted Electives  
None

Foreign Language Requirements  
None

Total Semester Hours Required  
20

Other Requirements  
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
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.
A maximum of 6 hours of required elective coursework can count toward another major or minor degree program.

Environmental Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements  
None

Minor Requirements  
None

Prerequisite Courses  
Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses  
IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives  
(18 hrs)
Science & Environmental Electives  
BOT 3125C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4003C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Advanced Marine Biology 4 hrs
OCE 3008 Oceanography 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
HSC 4500 Epidemiology 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
ENV 3431 Solid & Hazardous Waste Management 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3064L Principles of Ecology Laboratory 1 hr

Social & Humanities Electives  
(9 hrs)
ECO 4701 Seminar in Global Economic Policy 3 hrs
INR 4351 International Environmental Law 3 hrs

Environmental Studies
1 Only one of these two courses may be used to fulfill these restricted electives

Foreign Language Requirements  
None

Total Semester Hours Required  
21

Other Requirements  
A grade of “C” (2.0) is required in each course used to satisfy the minor.
At least 18 hours must be taken at the upper division.
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: 407-823-2808

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  
None

Required Courses  
(3 hrs)
IDS 3150 Foundations of Environmental Studies

Restricted Electives  
(18 hrs)
Science & Environmental Electives  
BOT 3125C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4003C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Advanced Marine Biology 4 hrs
OCE 3008 Oceanography 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
HSC 4500 Epidemiology 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
ENV 3431 Solid & Hazardous Waste Management 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3064L Principles of Ecology Laboratory 1 hr

Social & Humanities Electives  
(9 hrs)
ECO 4701 Seminar in Global Economic Policy 3 hrs
INR 4351 International Environmental Law 3 hrs

European Studies
1 Only one of these two courses may be used to fulfill these restricted electives

Foreign Language Requirements  
None

Total Semester Hours Required  
21

Other Requirements  
A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
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.
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 or 3 hrs
- LIT 3082 Continental European Fiction Since 1900 or 3 hrs

Restricted Electives (15 hrs)
- Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
Select from the following courses: 3 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- FIL 3820 Italian Film or 3 hrs
- FIL 3822 French Film or 3 hrs
- FIL 3823 German Film or 3 hrs
- FIL 3824 Italian Neo-Realist Cinema or 3 hrs
- FRE 4500 French Civilization and Culture or 3 hrs
- FRT 3362 French Contemporary Pop Culture or 3 hrs
- FRW 3370 Short Stories of 18th, 19th and 20th Centuries or 3 hrs
- FRW 4281 20th Century French Novels or 3 hrs
- FRW 4324 20th Century French Drama or 3 hrs
- FRW 4532 French Romanticism or 3 hrs
- FRW 4552 Nineteenth Century French Literature or 3 hrs
- GER 3102 Germany - Past to Present or 3 hrs
- GER 4520 Modern Germany or 3 hrs
- GEW 3101 Survey of German Literature II or 3 hrs
- GEW 3370 Short Story or 3 hrs
- GEW 3480 German Post-War Literature or 3 hrs
- GEW 4482 German Children’s Literature or 3 hrs
- GEW 4531 The Age of Goethe and Schiller or 3 hrs
- ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or 3 hrs
- ITW 3101 Survey of Italian Literature II or 3 hrs
- JST 3751 Literature of the Holocaust or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- SPW 3101 Survey of Spanish Literature II or 3 hrs
- SPW 3370 Short Story or 3 hrs
- SPW 4272 20th Century Spanish Novel or 3 hrs
- SPW 4322 Contemporary Iberian Theatre or 3 hrs
- SPW 4450 Spanish Literary Theory or 3 hrs
- SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
- SPW 4720 The Generation of 1898 or 3 hrs

History:
Select from the following courses: 6 hrs
- EUH 3235 Romanticism and Realism or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- EUH 3281 Second World War and Rebirth of Europe or 3 hrs
- EUH 3411 Ancient Rome or 3 hrs
- EUH 3431 History of Modern Italy or 3 hrs
- EUH 3451 History of Modern France or 3 hrs
- EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
- EUH 4400 The History of Ancient Greece or 3 hrs
- EUH 4465 Hitler’s Third Reich or 3 hrs
- EUH 4501 English History: 1485-1815 or 3 hrs
- EUH 4502 British History: 1815-Present or 3 hrs
- EUH 4574 History of Russia: 1801-1917 or 3 hrs
- EUH 4576 History of Russia in the 20th Century or 3 hrs
- EUH 4582 20th Century Russian Diplomatic History or 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- EUH 4663 History of Communism in Europe or 3 hrs
- GER 4510 Life and Culture in Nazi Germany or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs

Political Science or Economics:
Select from the following courses: 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4303 History of Economic Thought or 3 hrs
- INR 4035 International Political Economy or 3 hrs

Other areas:
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select from the following courses: 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs
- PHH 3041 Russian Philosophy or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- PHP 4782 Phenomenology or 3 hrs

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Exceptional Student Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu
Dr. Maria Reyes-MacPherson, Program Coordinator, maria.reyes-macpherson@ucf.edu, 407-823-5445
Linda Alexander, Linda.Alexander@ucf.edu, 407-823-2598

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification nor admission to the College of Education. 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 educational administration. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4061 Introduction to Behavior Management or 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs or 3 hrs
- EEX 3221 Assessment of Exceptional Students or 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs or 3 hrs

1 Technology for Classroom Teachers of Students with Special Needs
2 Assessment of Exceptional Students (elective only for Education majors)
Minors

Restricted Electives (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
- EEE 4070 Teaching Exceptional Students 3 hrs
- ¹ EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Secondary Restricted Electives
- EEX 4243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 of all Gordon Rule classes, MAC 1105 or higher, is 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 nordoes it constitute admission in the College of Education.

Film - Cinema Studies - Minor
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu/
Email: film@ucf.edu
S. Schlow, 407-823-2845
Phone: 407-823-4285

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- 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:
- 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- 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 exam (TSD, Military credit) may be used.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
Students seeking advising must go to BA 2, Room 101.
http://web.bus.ucf.edu/academics/finance/
Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (10 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3: 9 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 3504 Investment Analysis or 3 hrs
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Fitness Training - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
■ 2.5 GPA
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (13 hrs)
PET 4312C Kinesiology/Biomechanics 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
PET 4083 Personal Training Methods 3 hrs
1 ZOO Exercise Physiology Anatomy 4 hrs

RestRICTED ELECTIVES
■ Select 2: 6 hrs
PET 3361 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
PET 3771 Strength and Conditioning Concepts or 3 hrs
PET 376B Group Exercise Instruction or 3 hrs
PET 4351C Exercise Physiology or 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 18

Other 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.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.
■ An overall GPA of 2.5 is required to satisfy the minor.

ForEIGN LANGUAGE EDUCATION - MINOR
College of Education
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 Foreign Language Education minor is intended for non-foreign Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (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.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.
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 Students in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 18
Other Requirements
■ None

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: mllfaculty@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses
■ None

Restricted Electives (18 hrs)
■ Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses. A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
Minors

- 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.

Health Informatics and Information Management - Minor

College of Health and Public Affairs

Department of Health Management and Informatics,

Health and Public Affairs II, Room: 210

Alice Noblin, anoblin@ucf.edu, 407-823-2353

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (20 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Health Information Management Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4226C</td>
<td>Coding Procedures I</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HIM 4256C</td>
<td>Coding Procedures II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 and Public Affairs

Department of Health Professions,

Health and Public Affairs II, Room: 212

Dr. Suha Saleh, 407-823-6761

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts in Nutrition</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Medical Self Assessment</td>
</tr>
<tr>
<td>HSC 3211</td>
<td>Preventive Health Care</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiology I</td>
</tr>
<tr>
<td>HSC 4558</td>
<td>Pathophysiology II</td>
</tr>
<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
</tr>
<tr>
<td>HSC 3432</td>
<td>Occupational Safety for the Health Care Professional</td>
</tr>
<tr>
<td>HSC 4572</td>
<td>Clinical Nutrition</td>
</tr>
<tr>
<td>HSC 4730</td>
<td>Applied Health Research Methodology</td>
</tr>
<tr>
<td>HSC 4008</td>
<td>Professional Development in Health Professions</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
</tr>
<tr>
<td>HSC 3559</td>
<td>Disabilities in American Society</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
</tr>
<tr>
<td>ATR 3203C</td>
<td>Upper Extremity Function and Measurement</td>
</tr>
<tr>
<td>ATR 3204C</td>
<td>Lower Extremity Function and Measurement</td>
</tr>
<tr>
<td>ATR 3312C</td>
<td>Injury, Management, and Rehabilitation</td>
</tr>
<tr>
<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSC 3593</td>
<td>HIV Disease: A Human Concern</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Majors may not count courses presently required in a department program
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor

College of Health and Public Affairs

Department of Health Management and Informatics,

Health and Public Affairs II, Room: 210

Email: hsainfo@ucf.edu

Dr. Bernardo Ramirez, 407-823-2359

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
</tr>
<tr>
<td>HSA 4190</td>
<td>Organization &amp; Management for Health Agencies I</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Additional prerequisite courses may be required

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None
### History - Minor

**College of Arts and Humanities**  
**Department of History, Colbourn Hall, Room: 551**  
[http://history.cah.ucf.edu/](http://history.cah.ucf.edu/)  
Phone: 407-823-2225

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses (15 hrs)**

- **Restricted Upper Division Electives 15 hrs**
- **Restricted Electives (3 hrs)**
- **History Elective 3 hrs**
  - Any course taught within the History Department

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum GPA of 2.0 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

### Hospitality Management - Minor

**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. Fevzi Okumus, Department Chair  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses (18 hrs)**

- **Take all of the following:**  
  - HFT 1000: Introduction to the Hospitality and Tourism Industry and 3 hrs  
  - HFT 3540: Guest Services Management I 3 hrs

- **Select 2:**  
  - HFT 2401: Hospitality Industry Financial Accounting or 3 hrs  
  - HFT 3431: Hospitality industry Managerial Accounting or 3 hrs

- HFT 2500: Hospitality and Tourism Marketing or 3 hrs

**Restricted Electives**  
- None

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

### Humanities - Minor

**College of Arts and Humanities**  
**Department of Philosophy,**  
**Psychology Building, Room: 220**  
**Email:** philosophy2@ucf.edu  
Dr. Travis Rodgers, travis.rogers@ucf.edu, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses (21 hrs)**

- **Humanities Foundations 6 hrs**
  - HFT 1000: Introduction to the Hospitality and Tourism Industry and 3 hrs
  - HFT 3540: Guest Services Management I 3 hrs

- **Select 2:**  
  - HUM 3252: Contemporary Humanities or 3 hrs  
  - HUM 3255: Modern Humanities or 3 hrs  
  - HUM 3431: Ancient Humanities or 3 hrs  
  - HUM 3435: Medieval Humanities or 3 hrs
Humanistic/Religious Traditions 12 hrs

Select 2: 6 hrs
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy 3 hrs

Select 2: 6 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from the above list or from the following:
  - HUM 3320 Contemporary Multicultural Studies 3 hrs
  - HUM 4301 The Classical Ideal 3 hrs
  - HUM 4303 The Spiritual Ideal 3 hrs
  - PHI 4804 Critical Theory 3 hrs
  - PHI 3800 Aesthetics 3 hrs
  - PHI 3700 Philosophy of Religion 3 hrs
  - CLT 3370 Classical Mythology 3 hrs
  - CLT 3378 Comparative Mythology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Information Technology - Minor

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, 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 Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Select one of the following courses:
  - COP 2300C Concepts in Computer Science 4 hrs
  - COP 3223 Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)
- Choose 5 courses from the following: CGS 3175 or courses required for the IT major.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it's equivalent) is required for the minor.

Intelligent Robotic Systems (IRS) - Interdisciplinary

College of Engineering and Computer Science
Engineering, Room: 107
http://www.eecs.ucf.edu
Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EGN 4XXXC Introduction to Robotics 3 hrs

Select 2: 6 hrs
- EEL 4657 Linear Control Systems or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence 3 hrs

Restricted Electives (9 hrs)
Select 3: 9 hrs
- EEL 4612C Introduction to Modern and Robust Control or 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
- EEL 5669 Autonomous Robotic Systems or 3 hrs
- EEL 5173 Linear Systems Theory or 3 hrs
- EEL 5830 Digital Control Systems or 3 hrs
- EEL 5820 Image Processing or 3 hrs
- EEL 5825 Pattern Recognition or 3 hrs
- EML 5311 System Control or 3 hrs
- CAP 5415 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- CAP 5610 Machine Learning or 3 hrs
- EML 4804C Digital Control in Mechatronics or 3 hrs
- EEL 5625 Applied Control Systems or 3 hrs
- EML 5290 Introduction to MEMS and Micromanufacturing or 3 hrs
- EEL 5513 Digital Signal Processing Applications 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it's equivalent) is required for the minor.
Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.

- EGN 4412C Interdisciplinary Design I 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

International and Global 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. Roger Handberg
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/ duel 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
- IDS 4315 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 3 hrs

Restricted Electives
- Students require prior approval by the program advisor.

A. Political Science:
- Select courses from this grouping: 6 hrs
  - INR 4011 Politics of Globalization or 3 hrs
  - INR 4030 Diplomacy or 3 hrs
  - INR 4035 International Political Economy or 3 hrs
  - INR 4054 Global Politics of Energy or 3 hrs
  - INR 4074 Immigration Policy or 3 hrs
  - INR 4075 Human Rights Policy or 3 hrs
  - INR 4076 Global Drug Policy or 3 hrs
  - INR 4350 Global Environmental Politics or 3 hrs
  - INR 4502 International Organizations or 3 hrs
  - INR 4603 International Relations Theory or 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs

B. Area Studies:
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:
- Select one course from this grouping: 3 hrs
  - CPO 3103 Comparative Politics or 3 hrs
  - CPO 4082 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
  - CSC 4012 Terrorism or 3 hrs
  - EUH 3651 War and Society or 3 hrs
  - MMC 4300 International Media or 3 hrs
  - SYP 4454 Global Inequality and Society or 3 hrs
  - THE 3312 Theatre History and Dramatic Literature II or 3 hrs
  - Three one credit Foreign Language across the Curriculum (FLAC) courses 3 hrs

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu

Robert Sweo, rsweo@bus.ucf.edu, 407-823-1237

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (13 hrs)
  - FIN 4604 International Financial Management 3 hrs
  - GEB 3375 Introduction to International Business 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Restricted Electives
- (6 hrs)
  - Select two of the following:
    - ECO 3704 Global Economic Policy 3 hrs
    - ECO 4713 International Macroeconomics 3 hrs
    - ECO 4754 International Macroeconomics 3 hrs
    - ECS 4013 Development Economics 3 hrs
    - GEB 3955 Study Abroad 3 hrs
    - GEB 4361 Business in the International Environment 3 hrs
    - GEB 4374 International Negotiations and Transactions 3 hrs
    - GEB 4955 Study Abroad 3 hrs
    - GEO 4471 World Political Geography 3 hrs
    - INR 4013 International Political Economy 3 hrs
    - INR 4224 Contemporary International Politics of Asia 3 hrs
    - INR 4245 International Politics of Latin America 3 hrs
    - INR 4401 International Law 3 hrs
    - MAR 4724 Strategic Foundations in Global E-Business 3 hrs
  - Any 3000/4000 level foreign language course.

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of seven hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:
  Language Skill Acquisition (6 hrs)
  It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in 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  Biobehavorial Anthropology  3 hrs
- ANT 4332  People and Cultures of Latin America  3 hrs
- ANT 3610  Language and Culture  3 hrs
- ASH 4404  China in 19th and 20th Centuries  3 hrs
- ASH 4442  Modern Japan, 19th and 20th Centuries  3 hrs
- 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
- HUM 3417  Hindu Thought and Culture  3 hrs
- HUM 3419  Islamic Thought and Culture  3 hrs
- IDS 3333  World Comparative Studies  3 hrs
- INR 4035  International Political Economy  3 hrs
- INR 4102  American Foreign Policy  3 hrs
- INR 4224  Contemporary International Politics of Asia  3 hrs
- INR 4243  International Politics of Latin America  3 hrs
- INR 4401  International Law  3 hrs

Cultural Coursework (3 hrs)
- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
  Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience (9 hrs)
- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
- 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 cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Rebecca Morales, rebecca.morales@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal/Organizational Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses
- (12 hrs)
  - COM 3011C Communication and Human Relations 3 hrs
  - COM 3120 Organizational Communication 3 hrs
  - SPC 3301 Interpersonal Communication 3 hrs
  - COM 3311 Communication Research Methods 3 hrs

Restricted Electives
- (9 hrs)
  - Select from the following courses:
    - COM 3013 Communication and the Family 3 hrs
    - COM 3022 Health Communication 3 hrs
    - COM 3110 Business and Professional Communication 3 hrs
    - COM 3332 Communication, Technology, and Change 3 hrs
    - COM 3406 Role of Motivation in Communication 3 hrs
    - COM 4014 Gender Issues in Communication 3 hrs
    - COM 4416 Terrorism and Communication 3 hrs
    - COM 4461 Intercultural Communication 3 hrs
    - COM 4462 Conflict Management 3 hrs
    - SPC 3445 Leadership Through Oral Communication 3 hrs
    - SPC 3513C Argumentation and Debate 3 hrs
    - SPC 4331 Nonverbal Communication 3 hrs
    - SPC 4426 Group Dynamics 3 hrs
    - SPC 4540 Attitudes and Communication 3 hrs
  - Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Italian - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfaculty@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- (18 hrs)
  - Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
  - A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
  - Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- 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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives
- (15 hrs)
  - Select from the following:
    - JOU 3304 Journalism Readings 3 hrs
    - JOU 3015 Principles of Journalism 3 hrs
Jewish History

Restricted Electives (18 hrs)

Required Courses (8 hrs)

Prerequisite Courses

Minor Admission Requirements

Foreign Language Requirements

Total Semester Hours Required

Other Requirements

Required Courses (or proficiency) in Hebrew

Restricted Electives (18 hrs)

Jewish Civilization

Culture

Language

Other requirements, including special topics, with the approval of the Director

Foreign Language Requirements

Other Requirements

Latin American Area Studies - Minor

College of Arts and Humanities

Program in Judaic Studies, Colbourn Hall, Room: 415 E-J

http://judaicstudies.cah.ucf.edu/

Email: judaicst@ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses

Required Courses (or proficiency) in Hebrew

HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs

HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

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

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

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

Other Requirements

Latin American Area Studies - Minor

College of Arts and Humanities

Program in Latin American Area Studies, Colbourn Hall, Room: 406E & 406F

http://las.cah.ucf.edu/

Dr. JosÁ© Maunez-Cuadra, jose.maunez-cuadra@ucf.edu, 407-823-1173

Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses

Required Courses (or proficiency) in Spanish

SPN 1120C Elementary Spanish Language and Culture I 4 hrs

SPN 1121C Elementary Spanish Language and Culture II 4 hrs

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

SPN 1120C Elementary Spanish Language and Culture I 4 hrs

SPN 1121C Elementary Spanish Language and Culture II 4 hrs

Prerequisite Courses

Required Courses

Restricted Electives (18 hrs)

At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. 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 4308  Gender Issues in Latin America  3 hrs

History

ARH 4653  Meso American Art  3 hrs
ARH 3673  Modern Art of Mexico  3 hrs
ARH 3670  20th Century Latin American Art  3 hrs

Modern Languages and Literature

SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
FRW 3710  Francophone Literature  3 hrs
SPW 3130  Survey of Latin-American Literature I  3 hrs
SPW 3131  Survey of Latin-American Literature II  3 hrs
LIT 3192  Caribbean Literature  3 hrs
FRW 3752  French Caribbean Literature  3 hrs
SPW 4362  Central American Literature  3 hrs
AML 3615  Harlem, Haiti, and Havana  3 hrs
AML 4630  Latino/Latina 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 3585  History of the Hispanic Minorities in the U.S.  3 hrs

Latin American Studies

LAS 4096  Directed Independent Study  1 hr
LAS 4023  African Caribbean Experience  3 hrs

Political Science

CPO 4303  Comparative Latin American Politics  3 hrs
INR 4243  International Politics of Latin America  3 hrs
CPO 5354  Contemporary Politics of the Mayan Region  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Leadership Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

Foundation Requirement 4 hrs
- LDR 2001  Leadership Foundations of Leadership  2 hrs
- LDR 2002  Intermediate Foundations of Leadership  2 hrs
- 1 PR: LDR 2001

Restricted Requirements 15 hrs
- Choose one course from each of the five areas

Communication 3 hrs
- COM 3120  Organizational Communication or 3 hrs
- COM 4461  Interpersonal Communication or 3 hrs
- COM 4462  Conflict Management or 3 hrs
- ENC 3250  Professional Writing or 3 hrs
- SPC 3445  Leadership Through Oral Communication  3 hrs

Collaboration 3 hrs
- INP 3004C  Industrial/Organizational Psychology or 3 hrs
- INP 3431  Organization Psychology or 3 hrs
- MAN 3024  Organizations: Theory and Behavior or 3 hrs
- MAN 3025  Management of Organizations or 4 hrs
- 2 SPC 4426  Group Dynamics  3 hrs

Social Relations and Culture 3 hrs
- ANT 3541  Biobehavioral Anthropology or 3 hrs
- CLP 3143  Abnormal Psychology or 3 hrs
- COM 4461  Interpersonal Communication or 3 hrs
- EXP 3304C  Motivation or 3 hrs
- SOE 3004C  Social Psychology or 3 hrs
- SOE 3723  Cross Cultural Psychology or 3 hrs
- SOE 3742  Psychology of Women or 3 hrs
- SOE 3784  Psychology of Diversity or 3 hrs

Politics 3 hrs
- PAD 4104  Administrative Theory or 3 hrs
- PAD 4144  Non-Profit Organizations or 3 hrs
- PAF 4754  Interdisciplinary Leadership in Public Affairs or 3 hrs
- POS 3739  The American Presidency or 3 hrs
- POS 3749  Political Psychology or 3 hrs
- PUP 3325  Women and Political Behavior or 3 hrs
- SYO 4300  Political Sociology or 3 hrs

Ethics 3 hrs
- BUL 3130  Legal and Ethical Environment of Business or 3 hrs
- EDF 3601  Professional Ethics in Education or 3 hrs
- PAD 3040  Ethics and Values in Public Administration or 3 hrs
- PHI 2118  Critical Thinking or 3 hrs
- PHI 3638  Ethical Issues in the 21st Century or 3 hrs
- PHI 3640  Environmental Ethics or 3 hrs

Other Requirements

- None
### Legal Studies - Minor

**College of Health and Public Affairs**  
Department of Criminal Justice and Legal Studies,  
Health and Public Affairs I, Room: 343  

**Email:** legalstudies@ucf.edu  
Dr. David Slaughter  
Phone: 407-823-1670

#### Minor Admission Requirements
- None

#### Minor Requirements
- 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.
- 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.

### Magazine Journalism - Minor

**College of Sciences**  
Nicholson School of Communication, NSC, Room: 143  
[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

**Email:** Journalism@ucf.edu  
Dr. Kim Voss, Area Coordinator, kvooss@ucf.edu  
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu  
Phone: 407-823-2681

#### Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 3.0 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

#### Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses
- [JOU 2100C](http://communication.cos.ucf.edu) News Reporting 3 hrs
- [JOU 3510](http://communication.cos.ucf.edu) Magazine Publishing 3 hrs
- [JOU 4224](http://communication.cos.ucf.edu) Magazine Editing and Production 3 hrs

#### Restricted Electives
- Selected from the following: 9 hrs
  - [ENC 3310](http://communication.cos.ucf.edu) Magazine Writing I or 3 hrs
  - [JOU 3201](http://communication.cos.ucf.edu) Editing I or 3 hrs
  - [JOU 3202](http://communication.cos.ucf.edu) Editing II or 3 hrs
  - [JOU 4300](http://communication.cos.ucf.edu) Feature Writing or 3 hrs
  - [JOU 4301](http://communication.cos.ucf.edu) Freelance Writing or 3 hrs
  - [JOU 4330C](http://communication.cos.ucf.edu) Online Journalism I 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 21

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor 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
- [MAR 3023](http://communication.cos.ucf.edu) Marketing 4 hrs

#### Restricted Electives
- Select four or five: 15 hrs
  - [MAR 3203](http://communication.cos.ucf.edu) Supply Chain and Operations Management 4 hrs
  - [MAR 3323](http://communication.cos.ucf.edu) Integrated Marketing Communication 3 hrs
  - [MAR 3391](http://communication.cos.ucf.edu) Professional Selling 3 hrs
  - [MAR 3403](http://communication.cos.ucf.edu) Sales Force Management 3 hrs
  - [MAR 3503](http://communication.cos.ucf.edu) Consumer Behavior 3 hrs  
  1 Requires prerequisites in addition to MAR 3023
  - [MAR 3613](http://communication.cos.ucf.edu) Marketing Analysis and Research 3 hrs
  - [MAR 3641](http://communication.cos.ucf.edu) Marketing Intelligence 3 hrs
  - [MAR 3721](http://communication.cos.ucf.edu) Technology Applications in Marketing 3 hrs
  - [MAR 3765](http://communication.cos.ucf.edu) Entrepreneurial Marketing 3 hrs
  - [MAR 4156](http://communication.cos.ucf.edu) International Marketing 3 hrs
  - [MAR 4231](http://communication.cos.ucf.edu) Retailing Management 3 hrs
  - [MAR 4711](http://communication.cos.ucf.edu) Sport Marketing 3 hrs
  - [MAR 4712](http://communication.cos.ucf.edu) Healthcare Marketing 3 hrs
  - [MAR 4715](http://communication.cos.ucf.edu) Entertainment Marketing 3 hrs  
  1 Requires prerequisites in addition to MAR 3023
  - [MAR 4803](http://communication.cos.ucf.edu) Marketing Management 3 hrs
  - [MAR 4804](http://communication.cos.ucf.edu) Marketing Strategy 3 hrs
  - [MAR 4841](http://communication.cos.ucf.edu) Services Marketing 3 hrs
  - [MAR 4934](http://communication.cos.ucf.edu) Contemporary Marketing Topics in Florida 3 hrs

1 Requires prerequisites in addition to MAR 3023
Minors

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Required Courses (9 hrs)
- ADV 3008 Principles of Advertising 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

Internship, co-op, or independent study credit can be used toward the minor with prior school permission.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward the minor with prior school permission.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu

Email: sociology@ucf.edu
Dr. J. Jasinski, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 4000 Sociological Social Psychology 3 hrs

Required: Complete one of the following:
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems or 3 hrs
Minors

Restricted Electives (12 hrs)
- Select from the following:
  - SYA 4650C Community Action and Involvement 3 hrs
  - SYO 3000 Contemporary Society 3 hrs
  - SYO 4201 Religion in Society 3 hrs
  - SYP 3300 Fads, Crowds, and Social Action 3 hrs
  - SYP 3400 Social Change 3 hrs
  - SYP 3602 Patterns of Popular Music in Society 3 hrs
  - SYP 3630 Popular Culture in Society 3 hrs
  - SYP 3650 Sports and Society 3 hrs
  - SYP 4004 Constructing Social Issues 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor
College of Sciences
Department of Mathematics
Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, Joseph.Brennan@ucf.edu
Phone: 407-823-5700

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.
  - BSC 2010C Biology I 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs

Required Courses (21 hrs)
- BSC 2011C Biology II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAP 4484 Mathematical Biology I 3 hrs
- MAP 4494 Mathematical Biology II 3 hrs

Restricted Electives (7 hrs)
- Select 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 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.
- Lower division courses do not substitute for Upper Division courses.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, Joseph.Brennan@ucf.edu
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required Courses (11 hrs)
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs

Restricted Electives (7 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.
- Select two from the following list of options:
  - MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAD XXXX (any 3000, 4000, or 5000 level course)
  - 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 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
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Janet Andreason, ED 123Q, Janet.Andreasan@ucf.edu
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336
Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - MAE 4360 Mathematics Instructional Analysis 4 hrs
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours of courses in mathematics must be from UCF
- Students must earn a minimum GPA of 2.5 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 (12 hrs)
- Complete all of the following:
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4405 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 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 Applied Anthropology 3 hrs
    - ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
    - ANT 4184 Mortuary Archaeology 3 hrs
    - ANT 4521 Forensic Anthropology 3 hrs
    - ANT 4525C Human Osteology 4 hrs
    - ANT 4862 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.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
Minors

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2000 Introduction to Sociology
- SYG 2010 Social Problems

Restricted Electives (12 hrs)
- Select from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 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

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities

Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1 ENL 4311 Chaucer 3 hrs
  - 1 ENL 4341 Milton and His Age 3 hrs
  - 1 ENL 4333 Shakespeare Studies 3 hrs

- Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:
  
  **Department of Art**
  - ARH 4200 Medieval Art 3 hrs
  - ARH 4310 Italian Renaissance Art 3 hrs

  **Department of English**
  - ENL 4220 English Renaissance Poetry and Prose 3 hrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4333 Shakespeare Studies 3 hrs
  - ENL 4341 Milton and His Age 3 hrs

  **Department of History**
  - AMH 4110 Colonial America, 1607-1763 3 hrs
  - AMH 4112 The Atlantic World 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - EUH 3142 Renaissance and Reformation 3 hrs
  - EUH 3531 Medieval Ireland 3 hrs
  - EUH 3536 Early Modern Ireland 3 hrs
  - EUH 4500 English History to 1485 3 hrs

- EUH 4501 English History: 1485-1815 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs
- EUH 3124 The Crusades 3 hrs

**Department of Modern Languages**
- FRW 3100 Survey of French Literature I 3 hrs
- ITW 3100 Survey of Italian Literature I 3 hrs
- LAT 1120C Elementary Latin Language and Civilization I 4 hrs
- LAT 1121 Elementary Latin Language and Civilization II 4 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPW 3370 Spanish Short Story 3 hrs
- SPW 4310 Golden Age Drama 3 hrs
- SPW 4322 Contemporary Iberian Theatre 3 hrs
- SPW 4604 Cervantes 3 hrs
- ITT 3443 Dante’s Inferno 3 hrs

**Department of Music**
- MUH 4322 Medieval and Renaissance Music 3 hrs

**Department of Philosophy**
- PHH 3200 Medieval Philosophy 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities

Program in Middle Eastern Studies, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/
Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (9 hrs)
- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120, 1121)

**Department of Modern Languages**
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and Its Empires 3 hrs
- ASH 5227 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- HUM 3553 Moses, Jesus and Muhammad 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs
**Minors**

**JST 3402**  Wanderings: The Jewish People in Dispersion  3 hrs

**JST 3820**  Modern Israeli Culture  3 hrs

**PHH 3200**  Medieval Philosophy  3 hrs

**REL 2300**  World Religions  3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Military Science - Minor**

**College of Engineering and Computer Science**

**Army ROTC, Army ROTC, Room: 501**

LTC Sean Morgan  
Phone: 407-823-1872

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  (16 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officership</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3541</td>
<td>U. S. Military History To 1900</td>
</tr>
<tr>
<td>AMH 3547</td>
<td>U. S. Military History Since 1900</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Non-Profit Management/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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAF 3931</td>
<td>American Hum Human Services Workshop</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Management Internship</td>
</tr>
</tbody>
</table>

1. One credit hour repeated three semesters
2. Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor

**Restrict Electives**  (9 hrs)

- Students can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

**Generalist Emphasis**
- Choose at least one course from each of the following three groups

**Select 1:**  3 hrs
Minors

- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
  1 ACG 2021 Principles of Financial Accounting or 3 hrs
  1 ACG 2071 Principles of Managerial Accounting or 3 hrs
  1 MAN 3025 Management of Organizations or 4 hrs
  PAD 4131 Public Sector Project Management or 3 hrs
  PAD 4204 Fiscal Management or 3 hrs
  1 PAD 5850 Grant and Contract Management or 3 hrs
  1 SOW 3401 Social Work Research or 3 hrs
  PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  PAD 4325 Program Evaluation for Public and Non-Profit Organizations

Select 1: 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
  1 MAN 3301 Management of Human Resources or 3 hrs
  1 MAN 4101 Human Relations in Management or 3 hrs
  1 MAN 4320 Human Resources Recruitment and Selection or
  PAD 4414 Public Personnel Administration or 3 hrs
  PAD 4148 Volunteer Management or 3 hrs
  SOW 3203 Social Work & Community Resources or 3 hrs
  SOW 3104 Assessing I: Human Development or 3 hrs
  DEP 2004C Developmental Psychology or 3 hrs
  DEP 3464 Psychology of Aging or 3 hrs
  EDG 4941 Directed Field Experience 1 hr

Select 1: 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
  1 COM 3110 Business and Professional Communication or 3 hrs
  1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  MAR 3023 Marketing or 4 hrs
  1 MAR 3641 Marketing Intelligence or 3 hrs
  MAR 4803 Marketing Management or 3 hrs
  PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  1 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
  SPC 3301 Interpersonal Communication 3 hrs

1 Course has prerequisites or may be closed to students in the major.
Please see catalog for details.

Public Affairs Emphasis
- 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
  1 PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
  1 PAD 4253 Community & Economic Development 3 hrs
  1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Enrollment in Nonprofit Leadership Alliance Program through Nonprofit Leadership Alliance program office.
- Attendance at one national Alliance Management/Leadership Institute (additional fees).
- Membership in UCF Nonprofit Management Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for UCF undergraduates who are not majoring in Anthropology.

Minor Admission Requirements
- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Minor Requirements
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses
- Students must satisfy a course’s prerequisites before enrolling in the class.

Required Courses
- (3 hrs)
  ANT 2000 General Anthropology 3 hrs

Restricted Electives
- (15 hrs)
  Courses used in the minor must be taken in at least two departments. Select from the following list.
  ANT 3152 Indians of the Southwest 3 hrs
  ANT 3158 Florida Archaeology 3 hrs
  ANT 3245 Native American Religions 3 hrs
  ANT 3311 Indians of the Southeastern United States 3 hrs
  ANT 3313 Indians of North America High Plains 3 hrs
  ANT 3398 Black/Seminole Relations 3 hrs
  ANT 4153 North American Archaeology 3 hrs
  ANT 4906 Directed Independent Study 3 hrs
  ANH 3441 History of the Frontier: Eastern America 3 hrs
  ANH 4110 Colonial America, 1607-1763 3 hrs
  ANH 4112 The Atlantic World 3 hrs
  AML 3640 Native American Literature 3 hrs
  PHH 3701 Native American Philosophy 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M204
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.
Minors

Minor Admission Requirements (6 hrs)

Take one of the following courses:
- MUL 2010 Enjoyment of Music or
- MUL 2014 Introduction to Music History and Literature 3 hrs

Take one of the following courses:
- THE 2000 Theatre Survey or
- THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements (30 hrs)

- Minor requirement total may be either 30 or 31 hours
  (includes the admissions requirement courses) depending
  on the restricted elective selected from the Management
  courses.

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 Non-Profit Organizations 3 hrs
- TPA 4400 Theatre Management 3 hrs
- MUS 4320 Music Business and Industry 3 hrs

Internship
- THE 4941 Internship 1 hr

Restricted Electives (9 hrs)

- Select three courses, one from each of the three different
  areas.
- Restricted Electives may total either 9 or 10 hours
  depending on the course selected from the Management
  area.

Foreign Language Requirements

- None

Total Semester Hours Required
- 30

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to
  satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 15 hours in the minor must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet
substantive, introduction to philosophical themes related to
knowledge, responsibility, and society. Students, in consultation
with a departmental advisor, will select courses in accordance with
the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

- Select one course from each of the following groups:
  Reasoning
  - PHI 2011 Philosophical Reasoning or PHI 2108 Critical Thinking 3 hrs
  - PHI 2101 Formal Logic I or PHI 2108 Critical Thinking 3 hrs
  - PHI 2647 Logic and Ethics or PHI 2108 Critical Thinking 3 hrs
  - PHI 3131 Formal Logic II or PHI 2108 Critical Thinking 3 hrs

  History of Philosophy
  - PHH 3100 Ancient Philosophy or PHH 3100 Ancient Philosophy 3 hrs
  - PHH 3200 Medieval Philosophy or PHH 3200 Medieval Philosophy 3 hrs
  - PHH 3460 Modern Western Philosophy or PHH 3460 Modern Western Philosophy 3 hrs
  - PHH 3600 Contemporary Philosophy or PHH 3600 Contemporary Philosophy 3 hrs

  Values and Society
  - PHI 3670 Ethical Theory or PHI 3670 Ethical Theory 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology or PHI 3626 Advanced Ethics in Science and Technology 3 hrs
  - PHM 3401 Philosophy of Law or PHI 3401 Philosophy of Law or
  - PHI 3600 Aesthetics or PHI 3600 Aesthetics or
  - PHM 3123 Feminist Theories or PHI 3123 Feminist Theories or
  - PHI 3638 Ethical Issues in the 21st Century or PHI 3638 Ethical Issues in the 21st Century or
  - PHI 3625 Virtual Ethics or PHI 3625 Virtual Ethics or
  - PHI 4633 Ethics and Biological Science or PHI 4633 Ethics and Biological Science or
  - PHI 3100 Freedom and Justice or PHI 3100 Freedom and Justice or
  - PHI 3640 Environmental Ethics or PHI 3640 Environmental Ethics or
  - PHI 4031 Environmental Philosophy or PHI 4031 Environmental Philosophy or
  - PHI 3701 Native American Philosophy or PHI 3701 Native American Philosophy or
  - PHI 3805 Contemporary Aesthetics or PHI 3805 Contemporary Aesthetics or

  Being and Knowing
  - PHI 4500 Metaphysics or PHI 4500 Metaphysics or
  - PHI 4341 Ways of Knowing or PHI 4341 Ways of Knowing or
  - PHI 4320 Philosophy of Religion or PHI 4320 Philosophy of Religion or
  - PHI 4400 Philosophy of Science or PHI 4400 Philosophy of Science or
  - PHI 3320 Philosophy of Mind or PHI 3320 Philosophy of Mind or
  - PHI 3451 Philosophy of Psychology or PHI 3451 Philosophy of Psychology or
  - PHI 4420 Philosophy of Social Science or PHI 4420 Philosophy of Social Science or
  - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or PHI 3323 Minds and Machines: Philosophy of Cognitive Science or
  - PHP 4782 Phenomenology or PHP 4782 Phenomenology or
  - PHI 4221 Philosophy of Language or PHI 4221 Philosophy of Language or

Topics in Philosophy

Select 1:
- PHI 4931 Philosophy in the News or PHI 4931 Philosophy in the News or
- PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or
- PHM 3022 Sexuality, Gender & Philosophy or PHM 3022 Sexuality, Gender & Philosophy or
Minors

Philosophy, Religion and Popular Culture - Minor

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu
Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses (21 hrs)

■ NOTE: Appropriate special topics in philosophy, religious studies or humanities may be substituted for some core courses with prior approval by departmental advisor.

Theoretical Foundations

Take all of the following: (6 hrs)

Phil 3684 Ways of Living and Knowing
Phil 4341 Ways of Knowing

Philosophy

Select 1: (3 hrs)

Phil 2101 Formal Logic I or
Phil 3670 Ethical Theory or
Phil 3700 Philosophy of Religion or
Phil 3800 Aesthetics or
Phil 3100 Freedom and Justice or
Phil 3720 Faith and Reason or
Phil 3786 Existentialism or
Phil 4804 Critical Theory or
Phil 4300 Theories of Knowledge

Other Requirements

■ A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
■ Any substitutions must be approved by the department prior to being taken.

Popular Culture Studies

Select 1: (3 hrs)

HUM 3320 Contemporary Multicultural Studies or
HUM 4330 Performance Theory or
HUM 4556 Religion and the Arts or
Phil 3625 Virtual Ethics or
Phil 4931 Philosophy in the News or
POS 3235 Mass Media and Politics or
POS 3258 Politics in Film or
REL 3111 Religion and Philosophy Through Film or
REL 3115 Religion, Spirituality, and Popular Music or
SYP 3630 Popular Culture in Society

Contemporary Forms of Life

Select 1: (3 hrs)

ANT 3302 Sex, Gender and Culture or
HUM 3525 Contemporary Humanities or
PHM 3022 Sexuality, Gender & Philosophy or
Phil 3033 Philosophy, Religion, and the Environment or
Phil 3629 Family Values or
Phil 4321 Philosophies of Embodiment: Mind/Body/Self or
PHM 3123 Feminist Theories or
PHM 3401 Philosophy of Law or
REL 3131 Religion in America

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 21

Other Requirements

■ A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Physics - Minor

College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu

Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements

■ The minor is not open to Physics majors.

Minor Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 9 hours used in the minor must be earned at UCF within the department of Physics.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs
- PHY 3101  Physics for Engineers and Scientists III  3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except 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
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- POS 2041  American National Government  3 hrs
- POS 4284  Judicial Process and Politics  3 hrs

Restricted Electives (9 hrs)
- Select 1: 3 hrs
  - INR 4401  International Law or 3 hrs
  - POS 4603  American Constitutional Law I or 3 hrs
  - POS 4604  American Constitutional Law II  3 hrs

Restricted Upper Division Electives 9 hrs
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941L  Political Science Internship  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.
Minors

Psychology - Minor
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
- PSY 2012 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs
- STA 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 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental
Select 1: 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3764 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
  - 1PSY 3951 Undergraduate Field Work 3 hrs

This course may fulfill the requirement with prior approval.

Foreign Language Requirements
- None

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Public Administration - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Email: pa/ba/bs@ucf.edu

Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 4304 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising must go to BA 2 room 101.
http://www.bus.ucf.edu/realstate/

ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<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>
</tbody>
</table>

### Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 4103</td>
</tr>
<tr>
<td>REE 4203</td>
</tr>
<tr>
<td>REE 4204</td>
</tr>
<tr>
<td>REE 4303</td>
</tr>
<tr>
<td>REE 4732</td>
</tr>
<tr>
<td>REE 3614</td>
</tr>
<tr>
<td>REE 4933</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

### Recreation - Minor

#### College of Education

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

### Minor Admission Requirements

- 2.5 GPA

### Minor Requirements

- None

### Prerequisite Courses

- None

#### Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 3041</td>
<td>Games Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (9 hrs)

<table>
<thead>
<tr>
<th>Select 3:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAE 3370</td>
</tr>
<tr>
<td>PET 3771</td>
</tr>
<tr>
<td>PET 4050C</td>
</tr>
<tr>
<td>PET 4312C</td>
</tr>
<tr>
<td>SPM 3130</td>
</tr>
<tr>
<td>PET 4002</td>
</tr>
<tr>
<td>SPM 3204</td>
</tr>
</tbody>
</table>

### Total Semester Hours Required

- 18

### Other Requirements

- No grades below “C” (2.0) will be accepted.
- All of these hours must be earned at UCF.
- No credit by exam, (TSD, Military credit) may be used.
- Independent study credit cannot be used toward the minor.
- An overall GPA of 2.5 is required to satisfy the minor.

### Religious Studies - Minor

#### College of Arts and Humanities

**Department of Philosophy, Psychology Building, Room: 220**


Email: religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
<td>3 hrs</td>
</tr>
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</table>

#### Restricted Electives (18 hrs)

<table>
<thead>
<tr>
<th>(Select from the following courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3111</td>
</tr>
<tr>
<td>REL 3115</td>
</tr>
<tr>
<td>REL 3131</td>
</tr>
<tr>
<td>REL 3340</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 12 hrs

### Philosophy courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLT 3370</td>
<td>Classical Mythology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLT 3378</td>
<td>Comparative Mythology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3417</td>
<td>Hindu Thought and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3552</td>
<td>Christian Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4303</td>
<td>The Spiritual Ideal or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4554</td>
<td>Religious Quest and Human Dilemma or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638</td>
<td>Ethical Issues in the 21st Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3672</td>
<td>Animal Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3684</td>
<td>Ways of Living or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4521</td>
<td>Philosophies of Embodiment: Mind/Body/ Self or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4841</td>
<td>Ways of Knowing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4847</td>
<td>Critical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3020</td>
<td>Philosophy of Love or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3100</td>
<td>Freedom and Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3131</td>
<td>Religion in America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3340</td>
<td>Buddhist Thought or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Science Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-3327
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

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 an approved Florida community college or state university

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
- 19 hrs

Restricted Electives
- (12 hrs)
- Elective Courses: Select any four courses from the following list.

Select 4:
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor
Minors

Social Science Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
  - EDG 4410  Teaching Strategies and Classroom Management  3 hrs
  - EDF 4467  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
  - TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
  - RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
  - SSE 4361  Social Science Instructional Analysis  3 hrs
  - SSE 4936  Programs in Teaching Social Science  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- SYG 2000  Introduction to Sociology  3 hrs

Restricted Electives
- 15 hrs

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
  - SPN 3760  Advanced Spanish Oral Communication  3 hrs
  - SPN 3420  Spanish Composition  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

Sport Business Management (SPB): Business Minor
- Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
- MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
- MAN 4701 Business Ethics and Society 3 hrs
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs
- 1 GEB 4824 Business Law in Sport & Entertainment 3 hrs

* Business Law in Sport & Entertainment

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (7 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
- MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs
- GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
■ The minor is not open to Statistics majors.

Minor Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
STA 4163 Statistical Methods II 3 hrs
STA 4164 Statistical Methods III 3 hrs

Select 1: 3 hrs
STA 2023 Statistical Methods I or
STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
■ Select from upper division STA prefix courses taught within the Statistics Department.
■ The following course CAN NOT be used as a restricted elective:
  STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ 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
Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Email: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293
Phone: 407-823-2848

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Must be Junior standing

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 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.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration, Room: 309
http://www.cel.ucf.edu
Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
GEB 3113 How to Start a Business 3 hrs
GEB 4110 Business Plan Preparation 3 hrs
GEB 4152 Technological Entrepreneurship 3 hrs
Minors

Restricted Electives (9 hrs)

Innovation Design or Research Sequence 6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

Take all of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSEE, BSCPE:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>Senior Design I and 3 hrs</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II 3 hrs</td>
</tr>
<tr>
<td>BSME:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I and 3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II 3 hrs</td>
</tr>
<tr>
<td>BSCE:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 CGN</td>
<td>CECE Capstone Design 3 hrs</td>
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<tr>
<td>4808C</td>
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<tr>
<td>BSAE:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I and 3 hrs</td>
</tr>
<tr>
<td>EAS 4710C</td>
<td>Aerospace Design II 3 hrs</td>
</tr>
<tr>
<td>Digital Media:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>DIG 4713</td>
<td>Game Design and 3 hrs</td>
</tr>
<tr>
<td>DIG 4715C</td>
<td>Game Production 3 hrs</td>
</tr>
</tbody>
</table>

Discipline-Specific or Experiential Sequence 3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A 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.

Theatre - Minor

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Earl Weaver, earl.weaver@ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful interview and current resume

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304 Script Analysis 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPP 2101 Fundamentals of Acting 3 hrs
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr

Select 1:
- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult theatre advisor every semester.
- 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 will lead to release from the program.
- 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.

Urban and Regional Planning - Minor

College of Health and Public Affairs
School of Public Administration, Health and Public Affairs II, Room: 238
Email: pa/ba/bs@ucf.edu
Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs
## Women’s Studies - Minor

### College of Arts and Humanities

Program in Women’s Studies, Colbourn Hall, Room: 411A  

**Email:** womenst@ucf.edu  
Dr. M.C. Santana, 407-823-2269  
Phone: 407-823-6502

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments of Sociology, Theatre, and the Women’s Studies Program.

### Minor Admission Requirements

- None

### Prerequisite Requirements

- None

### Required Courses

- None

### Select 3: (9 hrs)

- Select three courses from the Theories Group:
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3581 Third Wave Feminisms or 3 hrs
  - WST 3621 Theories of Masculinity or 3 hrs
  - WST 4349 Ecofeminism or 3 hrs
  - WST 4415 Global and Transnational Feminism or 3 hrs
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHM 3123 Feminist Theories 3 hrs

### Restricted Electives

- Students should complete at least one of their two elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

### Women’s Studies Disciplinary Approaches

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3020</td>
<td>Girls’ Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women, Race and Struggle</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues and Community Activism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms</td>
<td>3 hrs</td>
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<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research in Women and Gender</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4021</td>
<td>Girls and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism</td>
<td>3 hrs</td>
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### Women’s History

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<thead>
<tr>
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<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td>3 hrs</td>
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<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
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<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
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</table>

### Representations of Women

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AML 3263</td>
<td>Contemporary American Women’s Fiction</td>
<td>3 hrs</td>
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<tr>
<td>ARH 4671</td>
<td>Women in Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3800C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3 hrs</td>
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### Women’s Wellness

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CLP 3194</td>
<td>Women's Mental Health</td>
<td>3 hrs</td>
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<tr>
<td>NSP 4425</td>
<td>Women’s Health Issues</td>
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<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
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### Select 1: (3 hrs)

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<thead>
<tr>
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<tbody>
<tr>
<td>PEM 2405</td>
<td>Self Defense for Women and Men</td>
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<tr>
<td>SOP 2772</td>
<td>Sexual Behavior</td>
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### Women and Social Policy

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
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<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
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<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
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<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
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<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>Sex and Gender in Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

## World Comparative Studies - Minor

### Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom I, Room: 302  
[http://www.is.ucf.edu](http://www.is.ucf.edu)

**Email:** is@mail.ucf.edu  
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.
Minors

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
IDS 3333 World Comparative Studies 3 hrs

Restricted Electives (15 hrs)
■ Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

- AML 3815 Harlem, Haiti, and Havana 3 hrs
- ANT 3610 Language and Culture 3 hrs
- ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 4702 Culture, Power and Development 3 hrs
- FSS 3008 Culture and Cuisine 3 hrs
- HFT 4866C Exploring Wines of the World 3 hrs
- HFT 3868 History and Culture of Wine 3 hrs
- HFT 4894 International Gastronomy 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs

Economics
- ANT 4702 Culture, Power and Development 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- HFT 3700 Tourism Management 3 hrs
- INR 4035 International Political Economy 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs

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, Power and Development 3 hrs
- PLA 4630 World Legal Systems 3 hrs
- SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
- FIL 3845 World Cinema Traditions 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- LIN 4643 Cross Cultural Communication 3 hrs
- THE 4212 Global Theatre 3 hrs
- FIL 3842 International Cinema 3 hrs

World Independent Specialization
■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements
■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

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
Dr. Amy Barnickel, Advisor, amy.barnickel@ucf.edu, 407-823-0349

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

Minor Admission Requirements

Transfer Notes
■ Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements
■ Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
■ Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses (3 hrs)
1 ENC 1102 Composition II 3 hrs
1 ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

Required Courses (3 hrs)
■ Students should take core course as early in the program as possible.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (9 hrs)
■ One course from each of the three Department of Writing and Rhetoric curricular clusters (see below).

Public, Professional and Disciplinary Writing 3 hrs
- ENC 3250 Professional Writing 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3351 Writing for Publication 3 hrs
- ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs
- ENC 3315 Advanced Argumentative Writing 3 hrs
- ENC 4416 Writing in Digital Environments 3 hrs
- ENC 4354 Community Based Research and Writing 3 hrs
- ENC 4212 Professional Editing 3 hrs
### Rhetoric and Writing Histories and Theories
- **ENC 3330** Rhetorical Traditions 3 hrs
- **ENC 3417** Writing, Literacy, and Technology 3 hrs
- **ENC 3373** Alternative Rhetorics 3 hrs
- **ENC 3372** Topics in Rhetoric and Writing Histories and Theories 3 hrs
- **ENC 4504** Contemporary Composition Theory 3 hrs
- **ENC 4523** Writing and Identity 3 hrs
- **ENC 4374** Gendered Rhetorics 3 hrs
- **LIN 4600** Language and Society 3 hrs

### Language and the Teaching of Writing
- **ENC 3473** Writing in Disciplinary Cultures 3 hrs
- **ENC 3521** Cultural Literacies 3 hrs
- **ENC 3503** Topics in Language and the Teaching of Writing 3 hrs
- **ENC 4544** Writing Pedagogy 3 hrs
- **ENC 4275** Writing/Consulting: Theory and Practice 3 hrs
- **LIN 3673** Grammar & Advanced Prose Style 3 hrs
- **LIN 4680** Modern English Grammar 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- Students must also take two courses from among the following:
  - Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
  - Any 3000 or 4000 level ENC technical communication course.
  - Any 3000 or 4000 level approved Gordon Rule course including:
    - **CRW 3011** Creative Writing for Non-Majors 3 hrs
    - **CRW 3053** Theory & Practice of Creative Writing 3 hrs
    - **PLA 3108** Legal Research 3 hrs
    - **PLA 3155** Legal Writing 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
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A required internship, along with course options that include service-learning activities, complements the web-based course of study.
■ Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
■ None

Required Courses (6 hrs)
GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 9 hrs
HSA 4941 Internship 3 hrs
PSY 3951 Undergraduate Field Work 3 hrs
SYP 4941 Internship 3 hrs

1 Full-time social work majors ONLY. Cannot be used with SOW 4941.
2 Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
■ Students select three additional courses from the following courses: A maximum of two courses in their College must be taken and at least one course must be outside their college.

College of Health and Public Affairs 6 hrs
HSA 4220 Long Term Patient Management 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
HSC 4064 Health Care Needs of the Elderly 3 hrs
PLA 4530 Legal Issues of the Elderly 3 hrs
SOW 4645 Social Services for the Elderly 3 hrs
NUR 4286 Gerontologic Nursing 3 hrs
SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges 3 hrs
DEP 3464 Psychology of Aging 3 hrs
SYP 4730 Patterns of Aging in Society 3 hrs
1 GEY 5007 Women and Healthy Aging 3 hrs
SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum grade of “C” (2.0) required in each course 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.
■ Independent Study cannot be used toward the certificate

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (9 hrs)
■ Students must satisfy each course's prerequisites before enrolling in the class.
Select 1: 3 hrs
■ Complete one introductory course:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
■ Complete both classes:
PPE 3003C Personality Theory and Research and 3 hrs
SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
■ Students must satisfy each course’s prerequisites
Select 1: 3 hrs
■ Complete both classes:
CLP 4390 Forensic Psychology 3 hrs
SOP 3751 Legal Aspects of Psychology 3 hrs
SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
■ Note: It is the student’s responsibility to meet all prerequisites for every course selected
Psychology: Select from the following: 3 hrs
CLP 3143 Abnormal Psychology 3 hrs
CLP 3302 Clinical Psychology 3 hrs
CLP 4154 Childhood Psychopathology 3 hrs
PCO 4203 Interviewing and Counseling 4 hrs

Sociology: Select from the following: 6 hrs
SYP 3511 Sociology of Murder 3 hrs
SYP 3530 Juvenile Delinquency 3 hrs
SYP 3540 Sociology of Law 3 hrs
SYP 3562 Patterns of Domestic Violence in Society 3 hrs
SYP 4514 Patterns of Violence in Society 3 hrs
SYP 4521 Crime Victims in Society 3 hrs
SYP 4536 Gangs and Society 3 hrs
Certificates

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 the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
Must be a BSW major.

Certificate Requirements
Placement with the Department of Children and Families- Working with child welfare or placement in an agency that serves children
Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

Prerequisite Courses
None

Required Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills in Social Work:</td>
<td>3 hrs</td>
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<tr>
<td>SOW 4654</td>
<td>Children's Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention</td>
<td>3 hrs</td>
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<tr>
<td>SOW 4650</td>
<td>Field Education or</td>
<td>9 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Internship</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

Select 1: (for full-time students ONLY)

Select 2: (for part-time students over two semesters)

(18 hrs)

Restricted Electives
None

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
None

College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
None

Certificate Requirements
Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3662</td>
<td>CJ Information Technology and Data Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4663</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4076</td>
<td>Crime Intelligence and Investigative Support Analysis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

Select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3451</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4654</td>
<td>Crime and Place</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3450</td>
<td>The Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4352</td>
<td>Policy Development in Law Enforcement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4572</td>
<td>Justice Agency Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
None

Total Semester Hours Required
15

Other Requirements
A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
No credit by exam (TSD, Military credit) may be used
Internship or Independent Study credit may not be used toward the program

Crime Scene Investigation - Certificate
College of Health and Public Affairs
College of Sciences
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
Email: cjadvise@ucf.edu
Mary Ann Eastep, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform
Certificates

basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
- ANT 4183  Archaeological Sciences  3 hrs
- ANT 4521  Forensic Anthropology  3 hrs
- CJE 4012  Criminal Profiling in Criminal Justice  3 hrs
- CJE 4610  Criminal Investigation  3 hrs

Restricted Electives (3 hrs)
- Select from the following courses:
  - ANT 3115  Archaeological Method and Theory  3 hrs
  - CCJ 4195  Interviews & Interrogations in CJ  3 hrs
  - CHS 3501  Introduction to Forensic Science  3 hrs
  - CJE 4630  Serial Murder and Criminal Justice  3 hrs
  - SYP 3511  Sociology of Murder  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments in advance.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
David Fabianic, fabianic@ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- 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
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- HFT 3700  Tourism Geography  3 hrs
- HFT 4735  Tourism Management  3 hrs
- CCJ 4195  Interviews & Interrogations in CJ  3 hrs
- ANT 4303  Anthropology of Tourism  3 hrs

Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
  - African American Heritage area (choose two classes)
    - AFA 3104  The Black Intellectual Experience  3 hrs
    - AFA 4105  Documenting African American Heritage and Life  3 hrs
  - Anthropology area (choose two classes)
    - ANT 2140  Archaeology of the Rise of Human Culture  3 hrs
    - ANT 3212  Peoples of the World  3 hrs
    - ANT 2410  Cultural Anthropology  3 hrs
    - ANT 3115  Archaeological Method and Theory  3 hrs
  - SYD 3700  Race and Ethnicity  3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C  Local Flora  3 hrs
- PCB 3442  Aquatic Ecology  3 hrs
Select two courses from the following list: 6 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
CPO 4303 Comparative Latin American Politics 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAH 3130 Latin American History I 3 hrs
LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

Diplomacy - Certificate

College of Sciences

College of Arts and Humanities

Department of Political Science,
Howard Phillips Hall, Room: 302

Department of History, Colburn Hall, Room: 551
http://politicalscience.cos.ucf.edu/

Dr. K. Hamann, Kerstin.Hamann@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)

INR 4030 Diplomacy 3 hrs
ANH 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 in American Foreign Policy or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4401 International Law or 3 hrs
INR 4502 International Organizations or 3 hrs
AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required
- 15

Other Requirements

- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
## Certificates

- **Finance Internship coordinator.** Services firm, and must be approved by the Department of
- **Certificate Requirements**
- **Certificate Admission Requirements**
- **Prerequisite Courses**
- **Required Courses**
- **Restricted Electives**
- **Foreign Language Requirements**
- **Total Semester Hours Required**
- **Other Requirements**

### Finance: Banking - Certificate

**College of Business Administration**

**Department of Finance,**

**Business Administration I, Room: 409**


Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- **Certificate Requirements**
  - No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
  - An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

**Prerequisite Courses**

- **Required Courses**
  - FIN 4224 Commerical Bank Management 3 hrs
  - ACG 3131 Intermediate Financial Accounting I 3 hrs
  - ACG 3141 Intermediate Financial Accounting II 3 hrs

**Select 1:**

- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs

**Restricted Electives**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

### Finance: Banking - Certificate

**College of Business Administration**

**Department of Finance,**

**Business Administration I, Room: 409**


*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- **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**

- **Required Courses**
  - FIN 4533 Financial Derivatives 3 hrs
  - FIN 4514 Portfolio Analysis and Management 3 hrs

**Select 1:**

- FIN 3414 Intermediate Corporate Finance 3 hrs
  - FIN 3414 Intermediate Financial Accounting I 3 hrs

**Restricted Electives**

- 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**


*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**

- **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.

### Finance: Investments - Certificate

**College of Business Administration**

**Department of Finance,**

**Business Administration I, Room: 409**


*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- **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**

- **Required Courses**
  - FIN 3504 Investment Analysis 3 hrs
  - FIN 4514 Portfolio Analysis and Management 3 hrs
  - FIN 4533 Financial Derivatives 3 hrs
  - FIN 4941 Finance Internship 3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

### Judaic Studies - Certificate

**College of Arts and Humanities**

**Program in Judaic Studies,**

**Colbourn Hall, Room: 415 E-J**


Email: judaicst@ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies...
Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis
Email: advising@ucf.edu

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (11 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

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3424 Biblical Archaeology 3 hrs

Literature
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs
- JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives

Foreign Language Requirements

Total Semester Hours Required

11

Other Requirements

A minimum grade of "C-" (1.75) is required in each course.

Students must earn an overall GPA of 2.0 in courses to complete the certificate.

At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.

No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

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

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3424 Biblical Archaeology 3 hrs

Literature
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs
- JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives

Foreign Language Requirements

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.
## Certificates

**Prerequisite Courses**
- None

**Required Courses** (13 hrs)

<table>
<thead>
<tr>
<th>Foundation Requirement</th>
<th>(4 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership 2 hrs</td>
</tr>
<tr>
<td>1 LDR 2002</td>
<td>Intermediate Foundations of Leadership 2 hrs</td>
</tr>
</tbody>
</table>

1 PR: LDR 2001

**Restricted Requirements** 9 hrs

- Choose one course from three of the areas below:
  - **Communication** 3 hrs
    - COM 3011C | Communication and Human Relations or 3 hrs |
    - COM 3120 | Organizational Communication or 3 hrs |
    - COM 4461 | Intercultural Communication or 3 hrs |
    - COM 4462 | Conflict Management 3 hrs |
  - **Collaboration** 3 hrs
    - INP 3004C | Industrial/Organizational Psychology or 3 hrs |
    - INP 4313 | Organizational Psychology or 3 hrs |
    - MAN 4240 | Organizations: Theory and Behavior or 4 hrs |
    - MAN 3025 | Management of Organizations or 4 hrs |
    - 1 SPC 4426 | Group Dynamics 3 hrs |
  - **Social Relations and Culture** 3 hrs
    - ANT 3541 | Biobehavioral Anthropology or 3 hrs |
    - CLP 3143 | Abnormal Psychology or 3 hrs |
    - COM 4461 | Intercultural Communication or 3 hrs |
    - EXP 3304C | Motivation or 3 hrs |
    - SOP 3004C | Social Psychology or 3 hrs |
    - SOP 3723 | Cross Cultural Psychology or 3 hrs |
    - SOP 3742 | Psychology of Women or 3 hrs |
    - SOP 3764 | Psychology of Diversity 3 hrs |
  - **Politics** 3 hrs
    - PAD 3003 | Public Administration in American Society or 3 hrs |
    - PAD 4104 | Administrative Theory or 3 hrs |
    - PAD 4144 | Non-Profit Organizations or 3 hrs |
    - PAF 4754 | Interdisciplinary Leadership in Public Affairs or 3 hrs |
    - POS 3413 | The American Presidency or 3 hrs |
    - POS 4206 | Political Psychology or 3 hrs |
    - PUP 3325 | Women and Political Behavior 3 hrs |
  - **Ethics** 3 hrs
    - BUL 3130 | Legal and Ethical Environment of Business or 4 hrs |
    - EDF 3601 | Professional Ethics in Education or 3 hrs |
    - PAD 3040 | Ethics and Values in Public Administration or 3 hrs |
    - PHI 2108 | Critical Thinking or 3 hrs |
    - PHI 3640 | Environmental Ethics 3 hrs |

1 PR: COM 3311

Restrict Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

### Marketing: e-Marketing - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

**Certificate Requirements**
- None

Prerequisite Courses
- None

**Required Courses** (6 hrs)

| MAR 3721 | Technology Applications in Marketing 3 hrs |
| 1 MAR 4941 | Marketing Internship 3 hrs |

1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

### Marketing: Entertainment Marketing - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

**Certificate Requirements**
- None

Prerequisite Courses
- None

**Required Courses** (6 hrs)

| MAR 4715 | Entertainment Marketing 3 hrs |
| 1 MAR 4941 | Marketing Internship 3 hrs |

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

### Marketing: Healthcare Marketing - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

**Certificate Requirements**
- None

Prerequisite Courses
- None

**Required Courses** (6 hrs)

| MAR 4715 | Entertainment Marketing 3 hrs |
| 1 MAR 4941 | Marketing Internship 3 hrs |

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None
Certificates

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4712 Healthcare Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Retailing Management - Certificate

College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Selling and Sales Management - Certificate

College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 3403 Sales Force Management 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Sport Marketing Management - Certificate

College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4711 Sport Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Services Marketing - Certificate

College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4841 Services Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None
Certificates

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
Email: pa/ba/bs@ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4144 Non-Profit 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 Non-Profit 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
- 12

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration.

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Dr. Amy Barnickel, Advisor, amy.barnickel@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
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses

Prerequisite
- ENC 1102 Composition II 3 hrs
- ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

Required Courses (6 hrs)
- ENC 3331 Rhetoric and Civic Engagement 3 hrs

Select 1:
- ENC 3250 Professional Writing 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs

Restricted Electives (3 hrs)
Public, Professional, and Disciplinary Writing 3 hrs
- Students must take one of the following courses (if ENC 3250 is taken as core requirement, it cannot count as a restricted elective):
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3310 Magazine Writing I 3 hrs
  - ENC 3315 Advanced Argumentative Writing 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs
  - ENC 4354 Community Based Research and Writing 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 4212 Professional Editing 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements (3 hrs)
- Any course offered by the Department of Writing and Rhetoric not used to fulfill other requirements.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course.
- PLA 3155 Legal Writing

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

Certificate Requirements
- None

Other Requirements (18 hrs)
- Any 3000 or 4000 level approved Gordon Rule course.
- PLA 3155 Legal Writing
Certificates

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None

Required Courses (15 hrs)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
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
- None
Prerequisite Courses
- None

Required Courses (12 hrs)
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None
Certificates

Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning,
Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this career opportunity. This 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
- None
- None
- None
- None
- None

Certificate Requirements
- None
- None
- None
- None
- None
- None

Required Courses
- None
- None
- None
- None
- None
- None

Restricted Electives
- None
- None
- None
- None
- None
- None

Foreign Language Requirements
- None
- None
- None
- None
- None
- None

Total Semester Hours Required
- 12
- 12
- 12
- 12
- 12
- 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.
- Minimum 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.

Other Requirements
- Total Semester Hours Required: 15

Certification
Certificates will be awarded only at time of degree completion.

Substitute Teaching - Certificate
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/
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. 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
- None
- None
- None
- None
- None

Certificate Requirements
- None
- None
- None
- None
- None
- None

Required Courses
- EDF 2007 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
- None
- None
- None
- None
- None
- None

Foreign Language Requirements
- None
- None
- None
- None
- None
- None

Total Semester Hours Required
- 9
- 9
- 9
- 9
- 9
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

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
- None
- None
- None
- None
- None

Certificate Requirements
- None
- None
- None
- None
- None
- None

Required Courses
- TSL 3346 English as an International Language 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Restricted Electives
- None
- None
- None
- None
- None
- None

Foreign Language Requirements
- None
- None
- None
- None
- None
- None

Total Semester Hours Required
- 9
- 9
- 9
- 9
- 9
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.
Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
Email: flfaculty@ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)
- SPN 3933 Spanish Across the Curriculum 1 hr
- SPN 4941 Internship 1 hr
- Any upper division SPN or SPT course with advisor’s approval

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum 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.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - SYP 4521 Crime Victims in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - 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.
Certificates

Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 411
http://womensstudies.cah.ucf.edu/

Email: womensst@ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women's Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307 http://www.mmae.ucf.edu

Email: mmaeugrad@ucf.edu

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-2416
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

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 2.25 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3023 Probability and Statistics for Engineers GEP
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Aeropace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4226 Introduction to Vibrations and Controls 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EAS 4700C Aerospace Design I or 3 hrs
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- 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.
Accelerated Undergraduate-Graduate Programs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: advising@ucf.edu
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 12 hours of undergraduate CSD coursework at UCF
- 3.5 GPA or better in courses in the major
- A highly competitive GRE score taken within the past 5 years.
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 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:
   - Suggested STA 2023 Statistical Methods I or 3 hrs
   - Suggested STA 2014C Principles of Statistics or 3 hrs

   D: Social Foundations (6 hrs)
   - Suggested PSY 2012 General Psychology or 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 or 3 hrs

E: Science Foundations (7 hrs)
- Prefer BSC 1005 Biological Principles or 3 hrs
- Prefer BSC 1005L Biological Principles Laboratory or 1 hr
- Required PHY, CHM, or PSC course or 3 hrs

2. Common Program Prerequisites (CPP)
- STA 2014C Principles of Statistics or 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- PHY 20XX Physics course or 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (50 hrs)
   - SPA 3471 Communication Disorders in Literature and Media or 3 hrs
   - SPA 3101 Physiological Bases of Speech and Hearing or 3 hrs
   - SPA 3112 Basic Phonetics or 3 hrs
   - SPA 3112L Basic Phonetics Lab or 1 hr
   - LIN 3716 Language Development or 3 hrs
   - SPA 3011 Speech Science I: Production or 3 hrs
   - SPA 3011L Speech Production Lab or 1 hr
   - SPA 3104 Neural Bases of Communication or 3 hrs
   - SPA 3123 Speech Science II: Perception or 3 hrs
   - SPA 3123L Speech Perception Lab or 1 hr
   - SPA 4032 Audiology or 3 hrs
   - SPA 4326 Hearing Disorders Across the Lifespan or 3 hrs
   - SPA 4478 Multicultural Aspects of Communication Disorders or 3 hrs
   - DEP 2004C Developmental Psychology or 3 hrs
   - LIN 3716L Language Development Lab or 2 hrs
   - LIN 3713 Language Science or 3 hrs

Select 1:
- 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

Statistics Requirement
- Students have two options in completing this requirement:
  - Option 1:
    - STA 2023 Statistical Methods I and 3 hrs
    - STA 4163 Statistical Methods II or 3 hrs
  - Option 2:
    - STA 2014C Principles of Statistics or 3 hrs
    - SPA 4803 Research Methods in Communication Sciences and Disorders or 3 hrs
    - SPA 4803 Research Methods in Communication Sciences and Disorders or 3 hrs

5. Restricted Electives (9 hrs)
- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
6. Capstone Requirements (3 hrs)
   □ None

7. Foreign Language Requirements
Admissions
□ Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent
   proficiency exam) prior to graduation. American Sign
   Language (ASL) can be used to fulfill the foreign language
   admission requirement.
Graduation
□ Students pursuing the B.A. degree must demonstrate
   proficiency in a foreign language equivalent to one year.
   ASL I, II, and III can be used to fulfill this requirement.

8. Electives
□ Select 12 hours of electives. A minor or certificate is
   encouraged.

9. Additional Requirements
□ None

10. Required Minors
□ None

11. Departmental Exit Requirements
□ A minimum grade of "B" in all graduate courses.
□ A minimum overall GPA of 3.0 in the courses used to
   satisfy the major
□ A passing score on the Communication Sciences and
   Disorders Undergraduate Competency Examination
12. University Minimum Exit Requirements
□ A 2.0 UCF GPA
□ 60 semester hours earned after CLEP awarded
□ 48 semester hours of upper division credit completed
□ 30 of the last 39 hours of course work must be
   completed in residency at UCF
□ A maximum of 45 hours of extension, correspondence,
   CLEP, Credit by Exam, and Armed Forces credits permitted
□ Complete the General Education Program, the Gordon
   Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
□ 120

Honors in Major
□ Interested students should contact the undergraduate
   program coordinator.

Related Programs
□ Health Services Administration
□ Psychology
□ Social Work

Certificates
□ Language Development and Disorders

Related Minors
□ Exceptional Education
□ Early Childhood Education
□ Aging Studies
□ Health Services Administration
□ Interpersonal/Organizational Communication
□ Linguistics
□ Psychology
□ Communication Sciences and Disorders

Advising Notes
□ None

Transfer Notes
□ "D" (1.0) grades are not accepted
□ Courses taken at community college do not substitute
   for Upper Division courses
□ Courses transferred from private and out-of-state
   schools must be evaluated for equivalency credit. The
   student must provide all supporting information.
□ Students may take STA 2014C or STA 2023 to fulfill the
   first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
□ None

<table>
<thead>
<tr>
<th>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>Aphasias and Related Disorders</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
| SPA 6496               | Language Disorders in Children and
   Adolescents                             | 6 hrs |
| SPA 6805               | Research in Communicative Disorders      | 3 hrs |
| SPA 6551               | Strategic Application of the Scientific
   Process in Clinical Practice            | 1 hr  |

Graduate Courses Link
□ None

Program Academic Learning Compacts
□ Program Academic Learning Compacts (student learning
   outcomes) for undergraduate programs are located at:
   http://www.oeas.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fees
□ Part-Time Student: $17.50 per term
□ Full-Time Student: $35.00 per term

Computer Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.P.E. / M.S.P.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Email: eecpe-grad@eecs.ucf.edu
Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

Admission Requirements
□ See Common Program Prerequisites
□ Qualified students may apply after completion of a
   minimum of 64 credit hours
□ Completion of no more than 96 credit hours
□ Completion of the GRE with a highly competitive score
   by the end of first semester of the senior year
□ Admission is not automatic. Interested students may
   need to be interviewed.

Degree Requirements
□ None

1. UCF General Education Program (GEP) (38 hrs)
   □ See Computer Engineering major in the catalog for
     track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   □ See Computer Engineering major in the catalog for
     the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   □ Computer Engineering: Basic Core
   EGN 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (57 hrs)
   □ See Computer Engineering major in the catalog for
     the major requirements.

Shared Courses (16 hrs)
SPA 6204  Articulation/Phonological Disorders  3 hrs
SPA 6410  Aphasias and Related Disorders  3 hrs
SPA 6496  Language Disorders in Children and
   Adolescents  6 hrs
SPA 6805  Research in Communicative Disorders  3 hrs
SPA 6551  Strategic Application of the Scientific
   Process in Clinical Practice  1 hr

Select 1:
   □ EGN 3321  Engineering Analysis-Statics  3 hrs
   □ EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

Courses Required for the Engineering Core
   □ 6 hrs
   □ EGN 3310  Engineering Analysis-Statics  3 hrs
   □ STA 3032  Probability and Statistics for Engineers  3 hrs

Courses Required for the Major
   □ 51 hrs
   □ COT 3100C  Introduction to Discrete Structures  3 hrs
   □ COP 3502C  Computer Science I  3 hrs
   □ COP 3503C  Computer Science II  4 hrs
   □ COP 3330  Object Oriented Programming  3 hrs
   □ COP 4331C  Processes for Object-Oriented Software
     Development  4 hrs

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Accelerated Undergraduate-Graduate Programs

EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3801C Computer Organization 3 hrs
EEE 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 (6 hrs)
- Technical electives should be taken at the 5000 level and available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 152

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $55 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eecpe-grad@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (25 hrs)
- STA 2023 Statistical Methods I 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
4. Core Requirements: Advanced Level (20 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. Only the highest grade is used in the calculation.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3402</td>
<td>Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3960</td>
<td>CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (15 hrs)

- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

6. Capstone Requirements

- None

7. Foreign Language Requirements

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

Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Complete an exit survey
- Computer Competency met by completion of major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required

- 120

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)

- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Email: eecpe-grad@eecs.ucf.edu
Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

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

- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations
2. Common Program Prerequisites (CPP) (19 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Basic 2 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 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: Advanced 9 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 44 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs

Electives 3 hrs
- Fundamentals
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- 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 courses.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
- http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Peter Larson
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree 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.

UNIVERSITY OF CENTRAL FLORIDA

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Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master's program following receipt of the B.A. degree.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
Select one of the following sequences of courses:

- EUH 2000 Western Civilization I and EUH 2001 Western Civilization II 6 hrs
- or WOH 2012 World Civilization I and WOH 2022 World Civilization II 6 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 from three of the four geographic regions:
  - Asian, African, and Middle Eastern
  - British and European
  - Latin American
  - U.S. and Canadian

- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation.
- The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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
Accelerated Undergraduate-Graduate Programs

- A maximum of 45 hours of extension, correspondence, 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
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women's Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

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/acl/academic_learning_compacts.htm

Industrial Engineering - Accelerated Undergraduate-Graduate Program

(B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

http://www iems.ucf.edu/

Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours.
- Completion of the GRE with a highly competitive score by the end of the junior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Industrial Engineering major 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)

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Industrial Engineering major in the Catalog for the CPP requirements.

3. Core Requirements: Basic Level (60 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

   EGN 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (58 hrs)
   - Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A "B" (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

   1 COP 3223  Introduction to Programming with C  3 hrs
   2 EIN 3314  Work Analysis and Design  3 hrs
   3 EIN 3354  Principles of Cost Engineering  3 hrs
   4 EIN 4243C  Human Engineering  3 hrs
   5 EIN 4333  Production and Distribution Systems  3 hrs
   6 EIN 4384  Facilities Planning  3 hrs
   7 EIN 4391  Manufacturing Engineering  3 hrs
   8 EIN 4517  Systems Engineering  3 hrs
   9 ESI 4221  Empirical Methods for Industrial Engineering  3 hrs
   10 ESI 4234  Quality Engineering  3 hrs
   11 ESI 5306  Operations Research  3 hrs
   12 ESI 5531  Discrete Systems Simulation  3 hrs
   13 ESI 4628C  Industrial Engineering Applications of Computers  3 hrs

Select 1:
   - EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs
   - EGN 3343  Thermodynamics  3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.
2 Substitute for EIN 4624
3 Substitute for ESI 4312
4 Substitute for ESI 4523C

5. Restricted Electives (4 hrs)
   - Three (3) hours of technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

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, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
- EGN 3310 Engineering Analysis - Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- Select one of the following three options for your senior year to complete your BSME:
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 hours of Graduate level course work for technical elective credit

Energy Systems Option 30 hrs
- EML 3101 Thermodynamics of Mechanical Systems 3 hrs
- EML 4703 Fluid Mechanics II and Advanced Electives (to include 5000 level courses) and Energy Systems Laboratory 3 hrs
- EML 4145 Topics in Heat Transfer 3 hrs

Mechanical Systems Option 30 hrs
- Approved Electives (to include 5000 level courses) and Mechanical Systems Laboratory 21 hrs
- EML 3500 Machine Design and Analysis and Mechanical Systems Laboratory 3 hrs
- EML 4313 Intermediate System Dynamics and Controls 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Materials Option</th>
<th>30 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 3012C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Experimental Techniques in Mechanics and Materials and EMA 4102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Thermodynamics and Kinetics of Materials</td>
<td></td>
</tr>
<tr>
<td>and EMA 3124</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Design and Selection of Materials and EMA 4223</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fundamentals of Mechanical Behavior of Materials and</td>
<td></td>
</tr>
<tr>
<td>Approved Electives (to include 5000 level courses)</td>
<td>18 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

- Graduation
  - None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements (6 hrs)**
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I or 3 hrs</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II or 3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II 3 hrs</td>
</tr>
</tbody>
</table>

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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.
1. Application to the university must also be submitted by the program application deadline.
2. 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.
3. 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.
4. Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
5. All applicants must have a minimum overall GPA of 3.0
6. Applicants are encouraged to attend an information session, prior to submitting the application.
7. Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
8. 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.
9. At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

**Group A**
- grade of C (2.0) or better
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab (or A&P I, II) 4 hrs
  - 1 CHM 1032 General Chemistry 3 hrs
  - 1 or other approved Science

**Group B**
- grade of C (2.0) or better
  - Sociology or 3 hrs
  - Psychology Developmental Psychology 3 hrs
  - Human Nutrition 3 hrs
  - Statistics 3 hrs

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

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

**A: Communication Foundations**

**B: Cultural & Historical Foundations**

**C: Mathematical Foundations**

**D: Social Foundations**

**E: Science Foundations**

**2. Common Program Prerequisites (CPP) (27 hrs)**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP) (27 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3104</td>
<td>Assessing I: Human Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1NUR 3167</td>
<td>Accelerated Nursing Research Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4829</td>
<td>Accelerated Transitioning into Professional Practice as a Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1. Students without a research course on transcript must take NUR 3165 (3 hrs)

**5. Restricted Electives (3 hrs)**

**Nursing Elective**

- 3 hrs

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- None

**Graduation**

- None

**8. Electives**

- None

**9. Additional Requirements**

- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

**10. Required Minors**

- None
Accelerated Undergraduate-Graduate Programs

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
- 57

Honors in Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- None

Related Minors
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to 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

Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college.
- 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 website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- Two professional references addressing qualifications and ability to succeed in graduate school.
- Resume
- Letter of Intent/Goal statement

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite.

- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

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 STA 2014C Principles of Statistics 3 hrs

   C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   1) SYG 2000 Introduction to Sociology or
   Prefer PSY 2012 General Psychology 3 hrs
   Prefer

   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Macroeconomics or
   Prefer ECO 2023 Principles of Microeconomics or
   Prefer POS 2041 American National Government 3 hrs

   1 One of these courses is required to meet General Education requirements.

   E: Science Foundations (6 hrs)
   Suggested BSC 2010C Biology I 4 hrs
   Required CHM 1032 General Chemistry 3 hrs
   Required CHM 1032 General Chemistry 4 hrs
   Required ZCO 1731 Human Anatomy

   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)

2. Common Program Prerequisites (CPP) (18 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   Select 1: 3 hrs
   Suggested BSC 2010C Biology I
   Required CHM 1032 General Chemistry
   Preferred 3733C Human Physiology
   Preferred 3733C Human Physiology
   Required HUN 3011 Human Nutrition

   Select 1: 3 hrs
   3) STA 2014C Principles of Statistics or
   STA 2023 Statistical Methods I

   Select 1: 3 hrs
   SOW 3104 Assessing I: Human Development or
   DEP 2004C Developmental Psychology

   Select 1: 3 hrs
   PSY 2012 General Psychology or
   SYG 2000 Introduction to Sociology

   1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

   2 May take Anatomy and Physiology sequence of six-eight total credits.

   3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (30 hrs)
   NUR 3085 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 4622L Clinical Health Assessment Lab 2 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

5. Restricted Electives

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   A 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
   None

9. Additional Requirements
   A Criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.

10. Required Minors
   None

   11. Departmental Exit Requirements
   Completion of all courses in major with a grade of "B" (3.0) or better
   Cumulative GPA of 2.5 or above
   College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF
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   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
120
Accelerated Undergraduate-Graduate Programs

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Related Programs
- Health Services Administration

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.oeras.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing. Students who wish to transfer to UCF under the provisions of the state-wide articulated A.S. to B.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 college or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission. Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors or out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising 407-823-1508, or the Director of Transfer and Transition Services, 407-823-2231.

**Applied Science B.A.S. (A.S. to B.A.S.)**

*Office of Undergraduate Studies*

*Office of Interdisciplinary Studies,*

**12201 Research Parkway, Room: Suite 101**

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

Helen Hill, Director, Regional Campus Advising, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary.

Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to 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. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547. (Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college.)

**Admission Requirements**

- Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. **UCF General Education Program (GEP) (36 hrs)**
   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
   - **A: Communication Foundations (9 hrs)**
   - **B: Cultural & Historical Foundations (9 hrs)**
   - **C: Mathematical Foundations (6 hrs)**
   - **D: Social Foundations (6 hrs)**
   - **E: Science Foundations (6 hrs)**
   - **2. Common Program Prerequisites (CPP)**
     - None
   - **3. Core Requirements: Basic Level (10 hrs)**
     - MAN 3025 Management of Organizations 4 hrs
     - **Select 1:**
       - BUL 3130 Legal and Ethical Environment of Business 4 hrs
       - PLA 3014 Law and the Legal System 3 hrs
     - **Select 1:**
       - ENC 3241 Writing for the Technical Professional or 3 hrs
       - ENC 3250 Professional Writing 3 hrs
   - **4. Core Requirements: Advanced Level**
     - None
   - **5. Restricted Electives**
     - Area of Concentration (Choose one)
     - All tracks are not available at all locations.

**Take all of the following:** 19 hrs

- **Take all of the following:** 19 hrs
  - **Take all of the following:** 19 hrs
    - INP 3004C Industrial/Organizational Psychology and 3 hrs
    - MAD 3023 Marketing and 4 hrs
    - MAN 3302 Essentials of Human Resource 3 hrs
    - MAN 3354 Employee Training for Non-Business Majors and 3 hrs
    - ACG 3082 Accounting For Non-Business Majors and 3 hrs
      - Restricted Elective (Consult with Program Advisor) 3 hrs
  - **Criminal Justice Track (18 hrs)**
    - CCJ 3024 Criminal Justice System 3 hrs
    - CCJ 3014 Crime in America 3 hrs

**Supervision and Administration Track** 19 hrs
Statewide Articulated A.S. To B.S. Programs

Select 2: 6 hrs
- CJ 3510 Prosecution and Adjudication or 3 hrs
- CJ 3010 Corrections and Penology or 3 hrs
- CJE 4014 Police and Society 3 hrs
- Six additional hours of CCJ, CJC, CJE, C.L., or CJT courses, selected with the aid of an academic advisor 6 hrs

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
- 1 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
- 2 HSA 4191 Health Care Automation and 3 hrs
- 2 HSC 4500 Epidemiology 3 hrs
- 1 HSA 3111 is a prerequisite for all of the following classes

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
- 1 CET 3383 Applied Systems Analysis I and 3 hrs
- 1 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
- 2 CET 4863 Computer and Network Security and 3 hrs
- 1 CET 4483 Intro to Local Area Network Technology 3 hrs
1 PR: Object oriented programming course with COP prefix or equivalent, or C.I.
2 PR: CET 4483, and MAC 1105

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

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
- 120
Honor's In Major
- None
Related Programs
- None
Certificates
- None
Related Minors
- None
Advising Notes
- None
Transfer Notes
- Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
Acceptable Substitutes for Transfer Courses
- None
Plan of Study
- None
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/学术_learning_compacts.htm

UNIVERSITY OF CENTRAL FLORIDA
404 Undergraduate Catalog 2012-2013
Statewide Articulated A.S. To B.S. Programs

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603
A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Admission Requirements
Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida community college
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See "Common Prerequisites" in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJL 3510 Prosecution and Adjudication 3 hrs
   CJC 3010 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs
   CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student's advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies
- Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184
Completion program only for individuals who have statewide articulated A.S. from a Florida public community college.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
Statewide Articulated A.S. To B.S. Programs

- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

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

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must complete both MAC 2233 and STA 2023 with a "C" (2.0) or better to be waived from ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
First of subsequent semester in the College of Business Administration:

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 4111 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs

5. Restricted Electives (18 hrs)
- Students must take at least one course from each of the following areas. These six courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

Finance 3 hrs
FIN 3303 Financial Markets or 3 hrs
FIN 3414 Intermediate Corporate Finance or 3 hrs
FIN 3504 Investment Analysis 3 hrs

Management 3 hrs
GEB 3113 How to Start a Business or 3 hrs
GEB 4435 Moral Foundations of Business or 3 hrs
MAN 3301 Management of Human Resources or 3 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs

Marketing 3 hrs
MAR 3403 Sales Force Management or 3 hrs
MAR 3613 Marketing Analysis and Research or 3 hrs
MAR 4156 International Marketing or 3 hrs
MAR 4841 Services Marketing 3 hrs

Economics 9 hrs
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.

ECO 3223 Money and Banking and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

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

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

Graduation
- None

8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 132

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
Statewide Articulated A.S. To B.S. Programs

Advising Notes
■ Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take either or both, Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
■ ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $15 per term
■ Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
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 public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements
■ None

1. UCF General Education Program (GEP) (18 hrs)
■ Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (3 hrs)
MAC 1105C College Algebra 3 hrs
Select 1:
   C:G 2100C Computer Fundamentals for Business or GEP
   STA 2023 Statistical Methods I GEP
Select 1:
   ECO 2013 Principles of Macroeconomics or GEP
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3350 Guest Services Management I 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr
Select 3
HFT 3700 Tourism Management or 3 hrs
HFT 3263 Restaurant Management or 3 hrs
HFT 3273 Principles of Resort Timesharing or 3 hrs
HFT 4755 Theme Park and Attraction Management or 3 hrs
HFT 4277 Yacht, Country, And City Club Management 3 hrs

Guest Lecture
1 HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
1 See Program Advisor for Options

5. Restricted Electives (15 hrs)
■ Students should select one of the following options to fulfill their hospitality management restricted requirement.

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 3394 Golf and Club Enterprises Management 3 hrs
HFT 3541 Franchising in the Restaurant Industry 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4253 Hotel Operations 3 hrs
HFT 4266 Restaurant Brand Management 3 hrs
HFT 4268 Case Studies in Restaurant Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4261 Restaurant Leadership Strategies and Tactics 3 hrs
HFT 4343 Hospitality Facilities Planning and Design 3 hrs

1 See Program Advisor for Options
### Statewide Articulated A.S. To B.S. Programs

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
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<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
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<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
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<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
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<td>HFT 4735</td>
<td>Tourism Geography</td>
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<td>HFT 4736</td>
<td>Destination Management</td>
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<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
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<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
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<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
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<td>HFT 4766</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
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<td>HFT 4796</td>
<td>International Events</td>
<td>3 hrs</td>
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<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
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<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
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<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
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<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Specialized Tracks (15 hrs)

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

##### Theme Park and Attraction Mgmt Track (15 hrs)

- HFT 4532: Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4759: Product Development in Theme Parks and Attractions or 3 hrs
- HFT 4614: Risk Management in Theme Parks and Attractions or 3 hrs
- HFT 4786: Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4787: Operational Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4795: Entertainment Arts and Events or 3 hrs

##### Golf and Club Management Track (15 hrs)

- HFT 3353: Golf Planning & Operations I or 3 hrs
- HFT 3354: Agronomy for Golf Course Management or 3 hrs
- HFT 3355: Golf Planning & Operations II or 3 hrs
- HFT 3357: Golf & Club Event Operations or 3 hrs
- HFT 3384: Golf and Club Enterprises Management or 3 hrs
- HFT 4358: Golf & Club Facility Design or 3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

#### Total Semester Hours Required

- 124

### Honors In Major

- None

#### Related Programs

- None

#### Certificates

- None

#### Related Minors

- None

#### Advising Notes

- None

#### Transfer Notes

- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

#### Acceptable Substitutes for Transfer Courses

- HFT 2401: Hospitality Industry Financial Accounting or 3 hrs may be substituted with: ACG X011
- HFT 2401: Hospitality Industry Financial Accounting or 3 hrs may be substituted with: ACG X011

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

408 Undergraduate Catalog 2012-2013
Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
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 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section "B" - RN to BSN Program

- Current RN License

Degree Requirements
- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II
- Required SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105C College Algebra
- Required STA 2014C Principles of Statistics

C: Mathematical Foundations (6 hrs)
- Required SYG 2000 Introduction to Sociology
- Required PSY 2012 General Psychology

D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I
- Required OHM 1032 General Chemistry

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
  2. MCB 2004C Microbiology for Health Professionals
  3. PCB 3703C Human Physiology
  4. ZOO 1065 Human Anatomy

Select 1:
  3. STA 2014C Principles of Statistics
  4. STA 2023 Statistical Methods I

Select 1:
  SOW 3104 Assessing I: Human Development or
  DEP 2004C Developmental Psychology

Select 1:
  PSY 2012 General Psychology or
  SYG 2000 Introduction to Sociology

(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

2. Core Requirements: Advanced Level
- None

4. Core Requirements: Advanced Level (51 hrs)

UCF Core 24 hrs
- NUR 3805 Dimensions of Professional Nursing Practice
- NUR 3065 Health Assessment
- NUR 3065L Health Assessment Lab
- NUR 3165 Nursing Research
- NUR 3634 Community Health Nursing
- NUR 4837 Health Care Issues, Policy, and Economics
- NUR 4604L Practicum in Community and Public Health Nursing for RNs
- NUR 4828 Nursing Leadership, Management and Role Transition
- NUR 4637 Public Health Nursing

Upper Division Credit 27 hrs
- May be met by validation and RN License
- NUR 3028 Essentials of Nursing Practice
- NUR 3028L Essentials of Nursing Practice Lab
- NUR 3755L Essentials of Nursing Practice Clinical
- NUR 3225L Nursing Care of the Adult I: Clinical Practice
- NUR 3445 Nursing Care of Families
- NUR 3445L Nursing Care of Families Clinical
- NUR 4227 Nursing Care of the Adult II
- NUR 4227L Nursing Care of the Adult II: Clinical Practice
- NUR 4535 Psychiatric Mental Health Nursing
- NUR 4535L Psychiatric Mental Health Clinical
- NUR 3225 Nursing Care of the Adult I

5. Restricted Electives (6 hrs)
- Any two upper division nursing electives

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions:
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
- None

8. Electives
- variable to meet degree requirements
9. Additional Requirements
- A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; and 4) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 128

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
- NUR 3065 Health Assessment
- NUR 3065L Health Assessment Lab

Junior Year - Spring
- NUR 3165 Nursing Research
- NUR 3634 Community Health Nursing

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics
- NUR/NSP XXXX Nursing Elective

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition
- NUR/NSP XXXX Nursing Elective

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs
- NUR 4637 Public Health Nursing

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and 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.

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.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_1101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term 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 nonprofit postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonprofit control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier
<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

English Composition  Level at this institution  Freshman Composition  Freshman Composition Skills  Freshman Composition Skills I
### 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. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

#### Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page ([http://scns.fldoe.org](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](http://scns.fldoe.org).

#### Courses at Nonregionally Accredited Institutions

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
</tr>
<tr>
<td>ABB</td>
<td>Arabic Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
</tr>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
</tr>
<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
</tr>
<tr>
<td>ACR</td>
<td>HVACR: Heating/Ventilation/Air Conditioning/Refrigeration: Technologies</td>
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<tr>
<td>ADE</td>
<td>Adult Education</td>
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<tr>
<td>ADV</td>
<td>Advertising</td>
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<tr>
<td>AEB</td>
<td>Agricultural Economics and Business</td>
</tr>
<tr>
<td>AEC</td>
<td>Agricultural Education and Communication</td>
</tr>
<tr>
<td>AEE</td>
<td>Agricultural and Extension Education</td>
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<tr>
<td>AER</td>
<td>Automotive Mechanics</td>
</tr>
<tr>
<td>AFA</td>
<td>African-American Studies</td>
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<tr>
<td>AFH</td>
<td>African History</td>
</tr>
<tr>
<td>AFR</td>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>AFS</td>
<td>Audition, interview, etc.</td>
</tr>
<tr>
<td>AGE</td>
<td>Agricultural Engineering (Disc. - See AOM)</td>
</tr>
<tr>
<td>AGG</td>
<td>Agriculture - General</td>
</tr>
<tr>
<td>AGR</td>
<td>Agronomy</td>
</tr>
<tr>
<td>AHC</td>
<td>Akan Language</td>
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<td>AHT</td>
<td>Akan Culture in Translation or Translation Skills</td>
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<td>AHW</td>
<td>Amharic Language</td>
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<td>AHA</td>
<td>Amharic Culture in Translation or Translation Skills</td>
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<td>ANG</td>
<td>Anthropology - Graduate</td>
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<tr>
<td>ANS</td>
<td>Animal Science</td>
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<tr>
<td>ANT</td>
<td>Anthropology</td>
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<tr>
<td>AOM</td>
<td>Agricultural Operations Management</td>
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<td>APA</td>
<td>Applied Accounting</td>
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<td>APK</td>
<td>Applied Kinesiology</td>
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<td>ARA</td>
<td>Arabic Language</td>
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<td>ARC</td>
<td>Architectural Design</td>
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<td>ARD</td>
<td>Architectural Design</td>
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<tr>
<td>ARE</td>
<td>Art Education</td>
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<td>ARH</td>
<td>Art History</td>
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<tr>
<td>ARR</td>
<td>Autobody Repair and Refinishing</td>
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<td>ART</td>
<td>Art</td>
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<td>ARV</td>
<td>Art, Vocational</td>
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<tr>
<td>ASC</td>
<td>Aviation Science: General</td>
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<tr>
<td>ASG</td>
<td>Animal Science: General</td>
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<tr>
<td>ASH</td>
<td>Asian History</td>
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<td>ASL</td>
<td>American Sign Language</td>
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<td>Asian Studies</td>
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<td>AST</td>
<td>Astronomy</td>
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<td>ATE</td>
<td>Animal Science Technology</td>
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<tr>
<td>ATV</td>
<td>Aviation Technology: Flight</td>
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<td>ATR</td>
<td>Athletic Training</td>
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<td>ATT</td>
<td>Aviation Technology: Theory</td>
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<td>AVM</td>
<td>Aviation Management</td>
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<td>Avionics</td>
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<td>AYM</td>
<td>Aymara Language</td>
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<td>BAN</td>
<td>Commercial Banking (AIB Courses Only)</td>
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<td>BCA</td>
<td>Building Construction Apprenticeships</td>
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<td>BCC</td>
<td>Basic Clinical Clerkships (Required)</td>
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<td>BCH</td>
<td>Biochemistry (Biophysics)</td>
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<td>BCS</td>
<td>Building Construction</td>
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<td>BCT</td>
<td>Building Construction Trades</td>
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<td>BCV</td>
<td>Building Construction: Vocational</td>
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<td>BME</td>
<td>Biomedical Engineering</td>
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<td>BMS</td>
<td>Basic Medical Sciences</td>
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<tr>
<td>BOT</td>
<td>Botany</td>
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<tr>
<td>BRC</td>
<td>Banking Related Courses (Not AIB or IFE)</td>
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<td>BSC</td>
<td>Biological Sciences</td>
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<td>BTE</td>
<td>Business Teacher Education</td>
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<td>BUL</td>
<td>Business Law</td>
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<tr>
<td>CAP</td>
<td>Computer Applications</td>
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<tr>
<td>CAS</td>
<td>Clinical Audiology and Speech Language Pathology (See SPA)</td>
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<td>CAT</td>
<td>Catalan Language</td>
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<tr>
<td>CBB</td>
<td>Comparative Psychology and Animal Behavior</td>
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<td>CCE</td>
<td>Civil Construction Engineering</td>
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<td>CCI</td>
<td>Criminology and Criminal Justice</td>
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<td>CDA</td>
<td>Computer Design/Architecture</td>
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<td>CEG</td>
<td>Civil Geotechnical Engineering</td>
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<td>CEN</td>
<td>Computer Software Engineering</td>
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<td>CES</td>
<td>Civil Engineering Structures</td>
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<td>Computer Engineering Technology</td>
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<td>Civil Engineering</td>
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<td>CGS</td>
<td>Computer General Studies</td>
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<td>CHD</td>
<td>Home Economics: Child Development</td>
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<td>CHI</td>
<td>Chinese</td>
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<td>Chemistry</td>
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<td>CHS</td>
<td>Chemistry - Specialized</td>
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<td>CHT</td>
<td>Chinese Culture in Translation or Translation Skills</td>
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<td>CHW</td>
<td>Chinese Literature (Writings)</td>
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<td>Computer Science and Information Systems</td>
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<td>CJB</td>
<td>College Level Application in Criminal Justice</td>
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<td>Corrections</td>
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<td>CJD</td>
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<td>Criminal Justice Basic Training</td>
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<td>CLR</td>
<td>Cost Accounting and Business Concepts</td>
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<td>CMJ</td>
<td>Criminal Justice</td>
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<td>CMA</td>
<td>Community Media</td>
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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.

Special Undergraduates

Grad

Directed Independent Studies 1905, 2905, 3905, 4905, 5907
Directed Independent Research 4912, 4917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicum, Clinical Pract 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 1 4903H
Honors Directed Reading 2 4904H
Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C CAH-ART 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/Special Course/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities. COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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### Undergraduate Catalog 2012-2013

#### 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](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.

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<thead>
<tr>
<th>Course Code</th>
<th>Prefix</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>BA-ACCT</td>
<td>Principles of Financial Accounting</td>
<td>For Sophomores and MAC 1105C with a &quot;C&quot; (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.</td>
</tr>
<tr>
<td>ACG 2021H</td>
<td>BA-ACCT</td>
<td>Honors Principles of Financial Accounting</td>
<td>For PR: MAC 1105C with a &quot;C&quot; (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>BA-ACCT</td>
<td>Principles of Managerial Accounting</td>
<td>For PR: ACG 2021 and MAC 1105C, each with a &quot;C&quot; (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.</td>
</tr>
<tr>
<td>ACG 3082</td>
<td>BA-ACCT</td>
<td>Accounting For Non-Business Majors</td>
<td>For PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.</td>
</tr>
<tr>
<td>ACG 3131</td>
<td>BA-ACCT</td>
<td>Intermediate Financial Accounting I</td>
<td>For PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of &quot;C&quot; (2.0) or better. Theory and practice of using accounting information for planning and control. As well as how financial statements are analyzed and interpreted by external users. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3141</td>
<td>BA-ACCT</td>
<td>Intermediate Financial Accounting II</td>
<td>For PR: Accounting major or minor, ACG 3131 with a grade of &quot;C&quot; (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3361</td>
<td>BA-ACCT</td>
<td>Cost Accounting I</td>
<td>For PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of &quot;C&quot; (2.0) or better. Theory and practice of using accounting information for planning, and control as well as in costing, and pricing decisions. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3501</td>
<td>BA-ACCT</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations</td>
<td>For PR: Accounting major or minor, and a grade of &quot;C&quot; (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4252</td>
<td>BA-ACCT</td>
<td>International Financial and Managerial Accounting</td>
<td>For PR: Accounting major or minor, ACG 2021, ACG 2071, each with a &quot;C&quot; (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.</td>
</tr>
<tr>
<td>ACG 4284</td>
<td>BA-ACCT</td>
<td>Financial Reporting for Consolidated Entities</td>
<td>For PR: ACG 3141 with a &quot;C&quot; (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.</td>
</tr>
<tr>
<td>ACG 440C</td>
<td>BA-ACCT</td>
<td>Accounting Information Systems</td>
<td>For PR: Accounting major or minor, ACG 3131 and CSE 2100C, each with a grade of &quot;C&quot; (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4651</td>
<td>BA-ACCT</td>
<td>Auditing</td>
<td>For PR: Accounting major or minor, ACG 3141 and ACG 440C, each with a grade of &quot;C&quot; (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4671</td>
<td>BA-ACCT</td>
<td>Internal Auditing</td>
<td>For PR: Accounting major or minor, ACG 3111 or ACG 3361, each with a &quot;C&quot; (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4803</td>
<td>BA-ACCT</td>
<td>Contemporary Issues in Accounting</td>
<td>For PR: ACG 3141, ACG 3361, ACG 440C, TAX 4001, each with a grade of &quot;C&quot; (2.0) or better. Study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.</td>
</tr>
<tr>
<td>ADE 4382</td>
<td>ED-E&amp;HS</td>
<td>Teaching Adult Learners in Technical Programs</td>
<td>For PR: ECT 3885 or C.I. Planning for and teaching of adult learners in formal and informal technical settings. Fall.</td>
</tr>
<tr>
<td>ADV 3008</td>
<td>COS-COMM</td>
<td>Principles of Advertising</td>
<td>For PR: ACG 3131 and CGS 2100C, each with a grade of &quot;C&quot; (2.0) or better. Theory and practice of using accounting information for planning, and control as well as in pricing decisions. Fall, Spring.</td>
</tr>
<tr>
<td>ADV 391L2</td>
<td>COS-COMM</td>
<td>Collaborative Experiential Research Practicum</td>
<td>For PR: Either ACG 3168, ACG 3603 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. Have been used in the degree program a maximum of 2 times. Occasional.</td>
</tr>
<tr>
<td>ADV 4101</td>
<td>COS-COMM</td>
<td>Advertising Copywriting</td>
<td>For PR: ACG 3168, and ACG 3708. Adverting copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.</td>
</tr>
<tr>
<td>ADV 4103</td>
<td>COS-COMM</td>
<td>Radio-Television Advertising</td>
<td>For 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.</td>
</tr>
<tr>
<td>ADV 4300</td>
<td>COS-COMM</td>
<td>Advertising Media Planning</td>
<td>For PR: ADV 3008 and Ad-PR major. Media planning and buying, including basic media terms, calculations, and resources. Fall.</td>
</tr>
<tr>
<td>AFA 3012</td>
<td>CAH-AAS</td>
<td>Black Perspectives: A Multidisciplinary Approach</td>
<td>For PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.</td>
</tr>
<tr>
<td>AFA 3104</td>
<td>CAH-AAS</td>
<td>The Black Intellectual Experience</td>
<td>For PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.</td>
</tr>
<tr>
<td>AFA 3371</td>
<td>CAH-AAS</td>
<td>Evolution of Hip Hop</td>
<td>For PR: AFA 3014 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.</td>
</tr>
<tr>
<td>AFA 3955</td>
<td>CAH-AAS</td>
<td>Study Abroad in Eastern Caribbean</td>
<td>For PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of the African diasporic cultures in the Eastern Caribbean. Occasional.</td>
</tr>
<tr>
<td>AFA 5930</td>
<td>CAH-AAS</td>
<td>Topics in African American Studies</td>
<td>For PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on the 20th century American society. Occasional.</td>
</tr>
<tr>
<td>AFH 3100</td>
<td>CAH-HIST</td>
<td>African History to 1870</td>
<td>For PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.</td>
</tr>
<tr>
<td>AFH 3200</td>
<td>CAH-HIST</td>
<td>African History Since 1870</td>
<td>For PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.</td>
</tr>
<tr>
<td>AFH 5259</td>
<td>CAH-HIST</td>
<td>Colloquium in African History</td>
<td>For PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.</td>
</tr>
<tr>
<td>AFA 5806</td>
<td>CAH-HIST</td>
<td>The Historiography of Slavery in Africa</td>
<td>For PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.</td>
</tr>
<tr>
<td>AFR 1101C</td>
<td>ECS-AFROTC</td>
<td>The Air Force Today I</td>
<td>For PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.</td>
</tr>
</tbody>
</table>
Occasional, an integral part of human culture and behavior, focusing Language and Culture: Spanish, British, and French.

ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodology, theoretical, and/or topical problems in Maya Studies. Occasional.

ANG 5167 COS-ANTHRO 3(3,0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-anterior and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of development and political power in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3,0) Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0) Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5486 COS-ANTHRO 3(3,0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANG 5531 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, and psychological aspects of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Occasional.
APK 3400 COS-PSYCH 3(3,0) Sports Psychology: PR: PSY 2012 or C.I. A review of principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.

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 1120H CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.

ARA 1121C CAH-LANG 4(3,1) Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.


ARA 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

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 cultural study. Fall, Spring.

ARC 3181 CAH-LAN 3(3,0) Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-based design programs currently utilized by professional practices. Odd Spring.

ARC 3320L CAH-LAN 6(0,0) Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-LAN 6(0,9) Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-LAN 3(3,0) Materials and Methods of Construction 2: CR: ARC 4220L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-LAN 3(3,0) Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. CR: ARC 3320L. Principles of structural behavior in withstand gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-LAN 3(3,0) Environmental Technology 1: CR: ARC 3320L. Principles and practices relating to control of the thermal/ atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-LAN 3(3,0) Architectural History 3: CR: ARC 3220L, Social, political, technological, and cultural considerations of design and construction from 1850, including architect’s role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-LAN 3(3,0) Architectural Theory 2: CR: ARC 4328L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4320L CAH-LAN 6(0,9) Architectural Design 7: PR: ARC 3320L. 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 4325L CAH-LAN 6(0,0) Architectural Design 8: PR: ARC 4320L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-LAN 3(3,0) Environmental Technology 2: CR: ARC 4320L. PR: ARC 3610 or C.I. Principles of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

ARE 2000 ED-CFCFS 3(3,0) Early Childhood Art and Creativity: An examination of developmental patterns in children’s artistic behaviors and approaches; measurement of developmental strategies to be implemented. Occasional. M&S fee $5.00

ARE 3085 CAH-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 3840 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 4313 ED-TL&L 1(1,0) Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4720, RED 4519, MLE 4326, and EDE 3942. Basic principles, purposes, scope and sequence organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee $5.00

ARE 4351 ED-TL&L 3(2,1) Teaching Art in the Elementary School: CR: EDF 4214 and EDE 4323. 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: CR: EDF 4214, and EDE 4323. 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: CR: AR 2050 and AR 2050. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall, M&S fee $5.00

ARE 4453 ED-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 5265 ED-TL&L 3(2,1) Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 3(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 5450 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0) Contemporary Visual Arts Education: PR: ARE 4443 or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-SVAD 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, 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 3520 CAH-SVAD 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites, with some consideration of arts of the African Diaspora. Occasional.

ARH 3610 CAH-SVAD 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites, with some consideration of arts of the African Diaspora. Occasional.

ARH 3632H CAH-SVAD 3(3,0)

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1960’s. Occasional.

ARH 3674 CAH-SVAD 3(3,0)

ARH 3683 CAH-SVAD 3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3711 CAH-SVAD 3(3,0)
History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 CAH-SVAD 3(3,0)
20th Century Photographic History: PR: Junior Standing or C.I. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 CAH-SVAD 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." Occasional.

ARH 3729 CAH-SVAD 3(3,0)
History of Illustration: PR: ARH 2050 and ARH 2051 or C.I. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.

ARH 3820 CAH-SVAD 3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 3842 CAH-SVAD 3(3,0)
Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 4130 CAH-SVAD 3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD 3(3,0)

ARH 4200 CAH-SVAD 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4210 CAH-SVAD 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 CAH-SVAD 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.
ART 3504C CAH-SVAD 3(2,4)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2230C, ART 2300C, ART 2301C. Development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee $15.00

ART 3616C CAH-SVAD 3(3,0)
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. The development of computer animation the use of the computer as a tool to create images. Reinforces and extends the understanding of visual literacy and materials content of ART 2500C, and deals with issues offigurative painting. Fall, Even Spring. M&S fee $15.00

ART 4173C CAH-SVAD 3(2,4)

ART 4174C CAH-SVAD 3(2,4)

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 4226C CAH-SVAD 3(3,3)

ART 4320C CAH-SVAD 3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-SVAD 3(2,4)
Adv Paint II-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 $30.00

ART 4505C CAH-SVAD 3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C; or C.I. Aesthetics of painting including understanding and critical analysis of contemporary art. May be repeated for credit. Fall, Spring, M&S fee $15.00

ART 4634C CAH-SVAD 3(3,1)

ART 4644C CAH-SVAD 3(2,4)
Books Without Books: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. May be repeated for credit. Fall, Spring. M&S fee $35.00

ART 4765C CAH-SVAD 3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 5280C CAH-SVAD 3(3,3)
Serial Content and Classic Form I: PR: Admission to MFA. Studio course emphasizing hand made images, presentation of sequential ideas in space and time. May be repeated for credit. 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 5670C CAH-SVAD 3(2,4)
Digital Illustration: CR: ART 6683C. Methods and media usually associated with traditional illustration in a digital platform. Spring. 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 5945 CAH-SVAD 3(2,4)
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 5969 CAH-SVAD 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including the web, mobile, electronic interface design, and publication design. Spring.

ART 5998 CAH-SVAD 3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART 5969, or C.I. Digital reproduction 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, accounting, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(2,4)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5934 CAH-SVAD 3(3,0)
Viable Environmental Protection:

SL Sustainability: Socially & Economically

BSC 4861L COS-BIOL 3(0,3)
Course utilizing an interdisciplinary approach to developing ecosystems.

3044 and PCB 4683, or C.I. Study of geographic variation and field experiences. Range from past to present and from genes to ecosystems. Occasional.

BSC 4439 COM-M&M 3(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, or C.I. 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. Introduction to current invasion biology. 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 the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-M&M 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-M&M 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4821 COS-BIOL 4(4,0)
Biogeography: PR: A C (2.0) or better in both PCB 3044 and PCB 4803, 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

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3363, Biology major with 80 semester hours and a GPA of 3.0. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in various disciplines. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3)
Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research in 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) and impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9)
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May be repeated for credit. Occasional. M&S fee $15.00.

BSC 5418 COM-M&M 3(3,0)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM-M&M 3(3,0)
Biomedical Informatics and Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5824 COS-BIOL 4(4,0)
Biogeography: PR: Admission to the M.S. in Biology, PhD in Evolutionary 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-E&HS 3(3,0)
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130 BA-ACCT 4(4,0)
Legal and Ethical Environment of Business: PR: Junior standing. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0)
Legal & Ethical Environment of Business - Honors: 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-MAH 3(3,0)
Employment Law: PR: Management major or minor, MAN 3025 and MAN 3301. An examination of current employment law and issues/trends in the 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 graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0)
AI for Game Programming: PR: COT 3960 or COP 3502C or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0)

CAP 4453 ECS-CS 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perception and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-CS 3(3,0)
Artificial Intelligence: PR: COP 3503C and COT 3960. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4720 ECS-CS 3(3,0)
Computer Graphics: PR: COP 3503C and COP 3502C or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5015 ECS-CS 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-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4581C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining websites, and methodologies for: determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0)
Human-Computer Interface Design: PR: COP 4331C, graduate standing and approval of the Director of the Software Engineering Certificate Program. Focuses on the methodologies of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application development. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COP 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS 3(3,0)
Evolutionary Computation: PR: CAP 4630 or COP 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-CS 3(3,0)
UCF Courses and Descriptions

CAP 5636 ECS-CS 3(3.0) Advanced Artificial Intelligence: PR: CAP 4630. An introductory theory of knowledge representation, "expert systems"; memory organization; problem solving; learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3.0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and software; problems and applications of graphics systems. Spring.

CCE 4003 ECS-CECE 3(3.0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems; contract documents; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3.0) Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems. Design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CECE 3(3.0) Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project planning and preparation, and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3.0) Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Construction project planning and preparation, and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4810C ECS-CECE 3(2.2) Construction Design Project: PR: CCE 4044, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 ECS-CECE 4(4.0) Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2044C, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CECE 3(3.0) Infrastructure Systems Management: PR: CCE 4004 and CCE 4034, or C.I. Essential elements of infrastructure systems, components, systems, and technologies essential for infrastructure life cycle engineering and management. Fall, Spring.

CCE 5205 ECS-CECE 3(3.0) Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. Fall, Spring.

CCE 5220 ECS-CECE 3(3.0) Green Design and Construction: PR: CCE 4004. Introduction of green concepts as they relate to construction design and delivery. Topics include Leadership in Energy and Environmental Design (LEED) categories, economic analysis, and integrated project management. Odd Spring.

CCE 5815 ECS-CECE 4(4.0) Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research project included. Occasional.


CCJ 3024 HPA-CJ 3(3.0) Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450 HPA-CJ 3(3.0) The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership, its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ 3(3.0) Justice System Technology: PR: CCJ 3024 or C.I. Examen of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4.0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examines the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3667 HPA-CJ 3(3.0) Victims and the Criminal Justice System: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines Victims as they affect the Criminal Justice System, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ 3(3.0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system portrays crime and crime victims portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.


CCJ 4076 HPA-CJ 3(3.0) Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of both crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.


CCJ 4195 HPA-CJ 3(3.0) 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 learning, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ 3(3.0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1950. Occasional.

CCJ 4361 HPA-CJ 3(3.0) Death Penalty: PR: Sophomore standing and ENC 1102. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641 HPA-CJ 3(3.0) Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.


CCJ 4651 HPA-CJ 3(3.0) Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ 3(3.0) Women and Criminal Justice: PR: Sophomore standing and ENC 1102. This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.


CCJ 4690 HPA-CJ 3(3.0) Sex Offenders and the Criminal Justice System: PR: Junior Standing and CCJ 3024 and CJ majors or (Junior Standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ 3(3.0) Research Methods in Criminal Justice: PR: Criminal Justice System Technology (CCJ 3024 or 3014 or CCJ 3024). Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social scientists and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746 HPA-CJ 3(3.0) Data Analysis for Criminal Justice: PR: CCJ 4701 or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.


CCJ 5015 HPA-CJ 3(3.0) The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminality. Occasional.

CCJ 5495 HPA-CJ 3(3.0) The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processes of offenders by criminal justice agencies. Fall, Spring.
CCJ 5931 HPA-CJ 3(3.0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 3(1.0) Criminal Justice Research and Analysis: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how the criminal justice investigation process operates. Focus on the role and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CDA 3103 ECS-CS 3(3.0) Computer Logic and Organization: PR: COP 3223; EEL 3100C or MFR 3302. 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-CS 3(3.0) Advanced Computer Architecture: PR: EEL 4769C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS 3(3.0) Parallel Architecture and Algorithms: PR: COT 4210, COT 5108. General purpose vs. special-purpose parallel computers: arrays, message-passing, shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.


CEG 4001C ECS-CECE 4(2.0) Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties, classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring. M&S fee $21.00.

CEG 4012 ECS-CECE 3(3.0) Geotechnical Engineering II: PR: CEG 4001C 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(2.2) Geotechnical Engineering Design: PR: CEG 4011C with a grade of "C" (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00.

CEG 5015 ECS-CECE 3(3.0) Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.


CEG 5700 ECS-CS 3(3.0) Geo-Environmental Engineering: PR: CEG 4011C (with emphasis on environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 3024 ECS-ECS 3(3.0) Software Development I: PR: COP 3330 or C.I. Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2-tier architecture. Spring.

CEN 4025 ECS-ECS 3(3.0) Software Development II: PR: CEN 3024 or C.I. A continuing development 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-ECS 3(3.0) Advanced Database Development: PR: COP 3330 or C.I.; CEN 3024 or equivalent or C.I. Focus on object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. Spring.

CEN 4802 ECS-ECS 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. Spring.

CEN 4910 ECS-ECS 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 5011 ECS-CECE 3(3.0) Software Engineering: PR: CEN 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-CS 3(3.0) Web Server Configuration and Maintenance: PR: COP 3352C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CES 4100C ECS-CECE 3(3.0) Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods, computer and laboratory exercises on behavior of structures and materials. Fall, Spring. M&S fee $21.00.

CES 4605 ECS-CECE 3(6.0) Steel Structures: PR: CES 3605C with a grade of "C" (2.0) or better. Design of structural steel members and buildings: emphasis on AISC-LRFD building code; wind load and seismic design; design and behavior of steel structures. Fall.

CES 4702 ECS-CECE 3(3.0) Reinforced Concrete Structures: PR: CES 4100C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring. M&S fee $24.00.

CES 4743C ECS-CECE 3(3.0) Structural Design: PR: CES 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design and the member and system level. Fall, Spring. M&S fee $24.00.

CES 5144 ECS-CECE 3(3.0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.

CES 5325 ECS-CECE 3(3.0) Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CET 5506 ECS-CECE 3(3.0) Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CET 5507 ECS-CS 3(3.0) Metrology and Design: PR: C.I. Structural properties of materials and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 3246 ECS-CS 3(3.0) Systems Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3810 ECS-CS 3(3.0) Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3833 ECS-CS 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-CS 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.

CET 4483 ECS-CS 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. Fall.

CET 4505 ECS-CS 3(3.0) Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. toolbox usage. May be repeated for credit. Fall.

CET 4663 ECS-CS 3(3.0) Computer and Network Security: PR: CET 4483 or C.I. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.

CET 4748 ECS-CS 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.

CCG 3501C ECS-CECE 3(2,3)
Civil Engineering Materials: PR: EGN 3331, CHS 1440C or GNE 2045C with a grade of “C” (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall, Spring. M&S fee $30.00

CCG 3700C ECS-CECE 4(3,2)
Civil Engineering Measurements: PR: MAC 2312 and CEG 2011C 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 computer calculation with specific applications in civil engineering. Spring. M&S fee $30.00

CGS 4000E ECS-CECE 3(3,0)
Civil Engineering Systems: PR: EGN 3613; MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGS 4808C ECS-CECE 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, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGS 5320C ECS-CECE 3(2,2)

CGS 5506C ECS-CECE 3(2,2)

CGS 1060C ECS-CS 3(2,2)
Introduction to Computer Science: History, logic, computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science majors. Fall, Spring.

CGS 1060H ECS-CS 3(2,2)

CGS 2100C ECS-CS 3(2,1)

CGS 2545C ECS-CS 3(2,1)

CGS 2585C ECS-CS 3(2,1)
Desktop Internet Publishing: PR: COP 2500C or high level programming course (C, Java, C#, +). Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of interactive websites. Occasional.

CGS 3175 ECS-CS 3(3,0)
Internet Applications: PR: COP 2500C or high level programming course (C, Java, C#, +). HTML coding, using images, sound and animation, advanced formatting, forms and CSS scripts, introduction to javascript. Fall, Spring.

CGS 3269 ECS-CS 3(3,0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C#, +). Organization, current computer architectures, network file servers. Fall, Spring.

CGS 3763 ECS-CS 3(3,0)

CGS 4144 ECS-CS 3(3,0)

CGS 5131 ECS-CS 3(3,0)

CHI 1120C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.

CHI 1121CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.

CHI 1121H CAH-LANG 4(4,0)

CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C1. 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.

CHI 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. Offered: Fall, Spring.

CHM 2040 COS-CHEM 3(3,0)
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section, MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structure, periodicity, chemical bonding, states of matter, gases. The “NC” grading policy applies to this course. Fall, Spring. M&S fee $6.00

CHM 2041 COS-CHEM 3(3,0)
Chemistry Fundamentals IB: PR: CHM 2040C or both with a grade of “C” (2.0) or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The “NC” grading policy applies to this course. 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, Spring. M&S fee $9.00

CHM 2045C COS-CHEM 4(3,1)
Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structure, periodicity, chemical bonding, states of matter, gases. The “NC” grading policy applies to this course. Fall, Spring. M&S fee $9.00

CHM 2046C COS-CHEM 4(3,3)
Honors Chemistry Fundamentals II: PR: CHM 2040C and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. Spring. M&S fee $35.00

CHM 2046L COS-CHEM 1(0,3)
Chemistry Fundamentals Laboratory: PR: or CR: CHM 2046. Priority will be given to students whose major requires this course. Introduction of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

CHM 2205 COS-CHEM 5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM 3(3,0)
Organic Chemistry I: PR: CHM 1032 or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211 COS-CHEM 3(3,0)
Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L COS-CHEM 2(0,6)
Organic Laboratory Techniques I: PR: CHM 2210. 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
CHS 4165 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level, or with consent of instructor. An introduction to chemical and environmental sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical, chemical, biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

CHS 5504 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate, or equivalent. An overview of topics related to the nature of Digital Evidence: standards, confidentiality, integrity, and nonrepudiation. Digital and private keys. Key infrastructures. Authentication, 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 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 4506, CHS 6500, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.

CIS 3003 ECS-CS 3(3,0) Fundamentals of Information Technology: PR: CJS 2545C and COP 3223. Requisites in Information Technology (IT) and its related and informing disciplines. Application domains. Applications of math and statistics to IT. Fall.


CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: CIS 3360; CR: COP 4600 or CJS 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 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: CIS 3600 or CJS 3763 and (CIS 3360 or CIS 4262) or C.I. Thread modeling. Sophisticated code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Occasional.

CIS 5105 ECS-CS 3(3,0) Capacity Planning and Performance Evaluation of Web Services: PR: COP 4600, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.


CJC 3101 HPA-CJ 3(3,0) Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.


CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 and CJC 3010. An overview and analysis of correction interventions and treatment programs in the community. Occasional.


CJC 5502 HPA-CJ 3(3,0) Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0) Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444 HPA-CJ 3(3,0) Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.

CJE 3662 HPA-CJ 3(3,0) CI Information Technology and Data Management: PR: (Sophomore Standing and CJS 106UC) or C.I. Designed to familiarize with concepts to Criminal Justice graduate program, graduate certificate, or C.I. Examines computer crime and the roles of technology and society. Emphasis on the use of technology in the private and public sectors. Fall, Spring.

CJE 4012 HPA-CJ 3(3,0) Criminal Profiling in Criminal Justice: PR: CJC 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features - the natural and built environment - influence crime events. Occasional.

CJE 4663 HPA-CJ 3(3,0) Crime Mapping and Pattern Analysis: PR: CJC 3024 or C.I. Provides an understanding of knowledge and hands on experience mapping crime and other spatial crime events and analyzing crime patterns. Occasional.

CJE 5021 HPA-CJ 3(3,0) Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Examines police role in modern society and law enforcement policy. Occasional.

CJL 4564 HPA-CJ 3(3,0) Juvenile Justice System: PR: CJC 3024 and CJ Majors) or Victim Advocacy Certificate declared or C.I. Examines of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 4300 HPA-CJ 3(3,0) Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 4310 HPA-CJ 3(3,0) Prosecution and Adjudication: PR: CJC 3024 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4510 HPA-CJ 3(3,0) Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks, searches and seizures, intercepts and interrogations. Occasional.

CJL 4046 HPA-CJ 3(3,0) Liability Issues in Criminal Justice: PR: CJC 3024 or C.I. Examines of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.
Form and Theory in Creative Writing: CRW 5130 CAH-ENG 3(3,0)

Creative Writing MFA and C.I. Student writers present their maximum of 3 times. May be used in the degree program a maximum of 5 times. Occasional.

Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE 3(3,0)

Engineering Fluid Mechanics: PR: MAP 2302. EGN 3310 both with a grade of “C” (2.0) or better. Familiarization with fluid mechanics with hydraulic applications. Fluid flow, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CWR 4632C ECS-CECE 4(3,2)

Water Resources Engineering I: PR: STA 3032 and EGN 3310 both with a grade of “C” (2.0) or better. Descriptive and quantitative aspects 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&$ fee $21.00

CWR 4633C ECS-CECE 3(3,1)

Water Resources Engineering II: PR: CWR 4632C with a grade of “C” (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring.

CWR 4812C ECS-CECE 3(2,2)

Water Resources Design: PR: CWR 4632C with a grade of “C” (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&$ fee $15.00

CWR 5125 ECS-CECE 3(3,0)

Groundwater Hydrology: PR: CWR 4633C or C.I. Theoretical foundations of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE 3(3,0)


CWR 5515 ECS-CECE 3(3,0)

Numerical Methods in Civil and Environmental Engineering: PR: CWR 4633C or C.I. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE 3(3,0)

Water Resources Engineering: PR: CWR 4633C or C.I. Theoretical foundations of groundwater movement, complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CWR 5634 ECS-CECE 3(3,0)

DIG 3003 CAH-SVAD  3(3.0) Adventures in Emerging Media: PR: ENC 1101. Examination of rules and culture of emerging media and the course is presented online in a nonlinear "choose your own adventure" format. Occasional.


DIG 3035 CAH-SVAD  1(1.0) Digital Media in the Workplace: PR: ENC 1102. Workplace preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3043 CAH-SVAD  3(3.0) Evolution of Video Games: PR: ENC 1102. Evolution of video games since the first game in the early 1950s to contemporary games. Fall.

DIG 3134 CAH-SVAD  3(3.0) Media Software Design: PR: DIG 3460C. Fundamentals of interactive software development within Internet environments. Focus on server-side scripting methodologies and database design. Fall, Spring.

DIG 3000 CAH-SVAD  3(3.0) Writing for Digital Media: PR: Minimum grade of “B” (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of method to fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-SVAD  3(2.2) Digital Media Audio: PR: DIG 3400C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD  3(2.2) Artificial Environments and Effects: PR: DIG 2109C and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, or concept in a visual medium. Fall, Spring.

DIG 3362C CAH-SVAD  3(2.2) Artificial Characters: PR: DIG 2109C and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 4450 CAH-SVAD  3(3.0) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 4350H CAH-SVAD  3(3.0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. Occasional.


DIG 3525 CAH-SVAD  3(3.0) Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of “B” (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3563 CAH-SVAD  3(3.0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial enterprise of starting and running a small business. 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 interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD  3(3.0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 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. Fall.

DIG 4104C CAH-SVAD  3(2.2) Web Design: 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(2.2) Modelling for Visual Language: PR: DIG 451C or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD  3(1.4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD  3(1.4) Geometric Modelling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometric 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 the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD  3(1.4) Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on composition, image processing, visual style, visual continuity. Spring.
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DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4360C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2) Media Business Practice: PR: DIG 3525, or C.I. Advanced business practices for working with interactive websites and other media interfaces. Covers skills related to e-commerce and other forms of dynamic media. Fall, Spring.

DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3148C or C.I. Advanced programming techniques for a variety of 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) Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0) Game Design: PR: DIG 3525 and DIG 3525. Principles, theories and techniques of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of “B” (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2) Casual Game Production: PR: DIG 2500C, a minimum grade of “B” (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of “B” (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.


DIG 4855 CAH-SVAD 3(3,0) Converging Media Capstone: PR: GEB 3051 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $45.00.

DIG 5045C CAH-SVAD 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1,3) Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.
ECS 4300 ECS-MMAE 3(3.0) 
Aerothermodynamics of Propulsion Systems: 
PR: EAS 4314 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbomachinery, ramjets and rockets. Spring.

ECS 4400 ECS-MMAE 3(3.0) 
Spacecraft Attitude Dynamics: 
PR: EML 4312C. Kinematics and dynamics of rigid and multibody spacecraft rotation, attitude control with momentum actuators and thrusters. Occasional.

ECS 440C ECS-MMAE 3(2.3) 
Discrete Control in Aerospace Vehicles: 
PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation. Z-transform, system response. Spring. M&S fee $15.00

ECS 4505 ECS-MMAE 3(3.0) 
Orbital Mechanics: 
PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

ECS 4700C ECS-MMAE 3(1.6) 
Aerospace Design I: 
PR: EAS 3010 or EML 3701, EML 3800C, and department consent. CR: EAS 4200, ECS 4991. Application of the design process to the team solution of a space vehicle propulsion systems and space vehicles, systems and devices are considered. Fall, Spring.

ECS 4710C ECS-MMAE 3(1.6) 
Aerospace Design II: 
PR: ECS 4700C, ECS 4991. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee $20.00

ECS 499R ECS-MMAE 3(0.0) 
Aerospace Career and Academic Faculty Advising: 
PR: ECS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/ academic advising. Graded SU. Fall, Spring.

ECS 5123 ECS-MMAE 3(3.0) 
Intermediate Aerodynamics: 

ECS 5157 ECS-MMAE 3(3.0) 
V/Stol Aerodynamics and Performance: 

ECS 5211 ECS-MMAE 3(3.0) 
Aeroelasticity: 
PR: ECS 3101 or EML 3701 and ECS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aerelasticity; flutter and vibration. Occasional.

ECS 5302 ECS-MMAE 3(3.0) 
Direct Energy Conversion: 
PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. Occasional.

ECS 5315 ECS-MMAE 3(3.0) 
Rocket Propulsion: 

ECS 5407C ECS-MMAE 3(2.3) 
Mechanical Systems: 
PR: EML 3034C. Discrete control techniques for aerospace mechanical systems. Controller design, test and evaluation. Occasional.

ECS 5535 ECS-MMAE 3(3.0) 
Engineering Design for Aerospace Vehicles: 
PR: ECS 4700C, ECS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.
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ECP 4303 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 3101. Provides fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0) Industrial Organization and Game Theory: PR: ECO 2023. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECP 4703 BA-ECON 3(3,0) Managerial Economics: PR: ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Not open to Economics majors. Spring.


ECT 3062 ED-E&HS 3(3,0) Professional Role of the Vocational Teacher: PR: ECT 3371 or C.I. Occasional.


ECT 3371 ED-E&HS 3(3,0) Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education lab, and involving the student in the instruction. Odd Fall.

ECT 4004 ED-E&HS 3(3,0) Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

ECT 4184 ED-E&HS 3(3,0) Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainer's analysis tasks. Spring.

ECT 4384 ED-E&HS 3(3,0) Advanced Teaching Techniques for Vocational Education: PR: ECT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation, instructional techniques. Fall.

ECT 4515 ED-E&HS 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

ECW 3312 ED-E&HS 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-E&HS 3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS 2-4(2-4,0) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies of vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-E&HS 2-4(2-4,0) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5561 ED-E&HS 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 3942 ED-TL&L 3(3,0) Internship I: PR: PDOC 4110, RED 3012, RED 4511, MAE 2801, TSL 4080. 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 disposition to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00


EDE 4945 ED-TL&L 1(1,0) Internship II Seminar: PR: All required program courses; CR: EDE 4943. Internship II. Cumulating seminar emphasizes current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 2005 ED-TL&L 3(3,0) Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophic and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007 ED-TL&L 3(3,0) Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and role and responsibilities of substitute teachers. Fall, Spring.

EDE 2085 ED-TL&L 3(3,0) Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130 ED-TL&L 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250 ED-TL&L 3(3,0) Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2720 ED-TL&L 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDE 2005, EDE 2085, EME 2040, or C.I. The legal education in childhood through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDE 3120 ED-TL&L 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDE 3601 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDE 4214 ED-TL&L 3(3,0) Classroom Learning Principles: PR: EDE 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDE 4466 ED-E&HS 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.


EDE 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDE 2005, EDE 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations. Fifteen hour class study design, teacher work samples, and a theoretical/conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDE 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDE 2005, EDE 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.

EDE 4603H ED-TL&L 3(3,0) Honors Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDE 5245 ED-TL&L 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.
Children:

- EEC 2732 ED-CFCS  3(3,0)
- Spring.

- EEC 3214 ED-TL&L  3(3,0)

- EEC 4604 ED-CFCS  3(3,0)

- EEC 4661 ED-CFCS  3(3,0)

- EEC 4744 ED-CFCS  3(3,0)

- EEC 4936 ED-CFCS  2(2,0)

- EEC 4940 ED-CFCS  12(12)
- Practicum: Early Childhood Development: 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.

- EEC 4943 ED-CFCS  12(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.

- EEC 5205 ED-CFCS  3(3,0)
- Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research, issues and trends. Concurrent laboratory experiences. Occasional.

- EEC 5206 ED-CFCS  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.

- EEC 5207 ED-CFCS  3(3,0)
- Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

- EEC 5745 ED-CFCS  3(3,0)
- Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

- Electronic I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

- EEE 3342C ECSES-EE  3(3,0)
- Digital Systems: PR: MAC 2311C, MAC 2312H, PHY 2048C, PHY 2048C all with a "C" (2.0) or better grade. Combines and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00
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EEX 3241  ED-CFCS  3(3,0)  Methods for Academic Skills for Exceptional Students: PR: EEX 1010, EEX 3241. 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: EDG 4410, EEX 3241, RED 3012. 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 4066  ED-CFCS  3(3,0)  Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LEA 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


EEX 4242  ED-CFCS  3(3,0)  Teaching Exceptional Students in Secondary Settings: PR: EEX 3241, EDG 4323. 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 caregivers and care recipients, including special populations. Fall, Spring.

EEX 4763  ED-CFCS  3(3,0)  Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943  ED-CFCS  12(0,35)  Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EEX 5051  ED-CFCS  3(3,0)  Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, environments, educational, behavioral problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5702  ED-CFCS  3(3,0)  Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning, developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750  ED-CFCS  3(3,0)  Communication with Parents and Agencies: Preparation of means of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601  ECS-MMAE  3(3,0)  Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in MAC 2311C, MAC 2313C and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr's circle, failure analysis, and stress concepts and analysis in beams, and bending/deflection testing. Fall, Spring. M&S fee $45.00

EGN 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.

EGN 1007C  ECS-ECS  1(1,2)  Engineering Concepts and Methods: PR: EGN 1005C and New Student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design and role of teams of learning engineering; communication; engineering professionalism and ethics. Spring.

EGN 1036C  ECS-IEMS  2(1,1)  Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars. The College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGN 2920C  ECS-IEMS  2(1,1)  LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two courses following with a grade of B or better. IDS 1040C, GEB 1091C. EGN 1036C, EDG 1005C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3060C  ECS-ECS  3(2,3)  Introduction to Robotics: PR: Engineering majors take COP 3330 and STA 3032. Computer Science majors take COP 3330 and COP 3303. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3211  ECS-ECE  3(3,0)  Engineering Analysis and Computation: PR: MAC 2312, Engineering analysis and computation with structured constructs. Subscribed variables, functions, input/output. Applications in embedded systems and examples in numerical methods. Fall, Spring.

EGN 3310  ECS-CSEE  3(3,0)  Engineering Analysis-Statistics: PR: MAC 2311C. PHY 2040C two with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including results of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H  ECS-CSEE  3(3,0)  Engineering Analysis-Statistics (Honors): PR: Permission of Honors and COP 2040C, PHY 2040C 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-MMAE  3(3,0)  Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H  ECS-MMAE  3(3,0)  Engineering Analysis - Dynamics Honors: 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-CSEE  3(3,0)  Mechanics of Materials: PR: EGN 3310 with a grade of "C" (2.0) or better; CR: 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 3365  ECS-MMAE  3(3,0)  Structure and Properties of Materials: PR: CHS 1440 and MAC 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. Fall, Spring.

EGN 3373  ECS-ECE  3(3,0)  Principles of Electrical Engineering: PR: PHY 2045C and 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-ECE  3(3,0)  Engineering Analysis: PR: High-level computer language, MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, and surface plotting. Fall, Spring.

EGN 3613  ECS-IEMS  2(2,0)  Economics: PR: MAC 2311C. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. Fall, Spring.
EGN 3935 ECS-ECS 0(2.0) Leadership in Engineering I: PR: Junior standing in a CE major. Focus: roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGN 3936 ECS-ECS 0(2.0) Leadership in Engineering II: PR: Junior standing in a CECS major. Focus: roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.


EGN 4413C ECS-MMAE 3(1.5) Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.

EGN 4462C ECS-IEMS 3(3.0) Engineering Administration: PR: Senior standing. Focus: Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management. R, D and planning: ethics in professional practice. Fall, Spring.

EGN 4641C ECS-ECS 3(2.2) Engineering Entrepreneurship: PR: Senior standing. Focus: all aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, class studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, businessmen, and specialists, based on their own experiences. Occasional.

EGN 4706C ECS-MMAE 3(2.4) Small Satellite Payloads and Integration: PR: EML 3050C, EML 3705C OR EML 3801C OR ESI 4523C. Evaluation of overall impact of design and integration concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EGN 4707C ECS-MMAE 3(3.4) Processing Space-Launch Systems: PR: For ECE, EEL 3552C or EEL 4724C. For IEMS: ESI 4523C; For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system "Infiniti Upper Stage." May be repeated for credit. Occasional.

EGN 4824 ECS-ECS 3(3.0) Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4931H ECS-ECS 3(3.0) Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C ECS-ECS 1(1.1) Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical, professional, social, ethical development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 4934C ECS-ECS 2(1.2) Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EGN 5720 ECS-IEMS 3(2.3) Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring.

EGN 5840 ECS-MMAE 3(3.0) Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Focus: Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGN 5858C ECS-IEMS 2(2.1) Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00.

EIN 3001 ECS-IEMS 3(3.0) Introduction to Industrial Engineering and Management Systems: PR: MAC 2114 and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. Fall.

EIN 3134 ECS-IEMS 3(3.0) Work Analysis and Design: PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3354 ECS-IEMS 3(3.0) Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-IEMS 3(2.2) Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2.2) Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.


EIN 4243C ECS-IEMS 3(2.2) Human Engineering: PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-IEMS 3(3.0) Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-IEMS 3(3.0) Facilities Planning: PR: EIN 3314, EIN 3354, ESI 4526C, CR: EIN 4333, EIN 4391 or C.I. Planning and design of production systems including interrelationships between process layout, material handling, warehousing and site selection. Spring. M&S fee $20.00.

EIN 4391 ECS-IEMS 3(3.0) Manufacturing Engineering: PR: CHM 2045C or CHM 1440 and Junior standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4450 ECS-IEMS 3(3.0) Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS 3(2.2) Systems Analysis and Design: PR: ESI 4523C, CR: EIN 4391 or C.I. Systems methodology, requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall.

EIN 4517 ECS-IEMS 3(3.0) Systems Engineering: PR: STA 3032 or C.I. Fundamentals of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545 ECS-IEMS 3(3.0) Industrial Engineering Applications in The Service Industries; PR: EIN 3314, ESI 4312; CR: ESI 4234 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4621C ECS-IEMS 3(2.2) Computer-Aided-Manufacturing: PR: EIN 4391C. Computer-Aided product design (CAD) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional.

EIN 4891C ECS-IEMS 3(2.3) Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 5108 ECS-IEMS 3(3.0) The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and 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-IEMS 3(3.0) Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Content is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3.0) Project Engineering: PR: Graduate standing or C.I. Role of engineers in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-IEMS 3(2.2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations. Fall.

EIN 5251 ECS-IEMS 3(3.0) Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C ECS-IEMS 3(2.2) Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics related to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.

EIN 5317 ECS-IEMS 3(3.0) Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-IEMS 3(3.0) Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-IEMS 3(3.0) Cost Engineering: Occasional and combined with engineering systems throughout the product life cycle. Spring.
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EIN 5388 ECS-EIMS 3(3.0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-EIMS 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. Even Spring.


EMA 3000 ECS-MMAE 3(3.0) Engineering Polymeric, Ceramic, and Composite Materials: PR: EGM 3560 or EMA 3706. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. Occasional.

EMA 3012C ECS-MMAE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGM 3560 or EGM 3511. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (tension, fatigue, impact, etc.). Fall, Spring. M&S fee $45.00.


EMA 3124 ECS-MMAE 3(3.0) Design and Selection of Materials: PR: EGM 3561, and EGM 3565 or EMA 3706. Relationship between processing, structure, properties of various engineering materials and their selection in engineering design. Fall.


EMA 3706 ECS-MMAE 3(3.0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102 ECS-MMAE 3(3,0) Thermodynamics of Kinetics of Matter of Materials: PR: EGM 3563, EGM 3565 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2046. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.


EMA 4503 ECS-MMAE 3(3.0) Materials Characterization Techniques: PR: EMA 3403 and EGM 3565 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.


EMA 5108 ECS-MMAE 3(3.0) Surface Science: PR: PHY 2040 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum techniques utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGM 3565. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-MMAE 3(3.0) Electronic Principles of Materials Properties: PR: EGM 3565 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-MMAE 3(2.2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.


EMA 5585 ECS-MMAE 3(3.0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.


EMA 5588 ECS-MMAE 3(3.0) Biocompatibility of Materials: PR: EGM 3565 or C.I. Biocompatibility and biodegradability; cell-biomaterial interfaces; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructures, biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMA 5705 ECS-MMAE 3(3.0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2040 ED-TL&L 3(3,0) Introduction to Technology for Educators: EME 2040. Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee $1.00.

EME 2041 ED-TL&L 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 4312 ED-TL&L 3(3,0) Applications of Technology in Education: Classroom applications of instructional media including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050 ED-TL&L 3(3.0) Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in k-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-TL&L 3(3.0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-TL&L 3(3.0) Electronic Resources for Education: PR: Qualifying standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EME 5208 ED-TL&L 3(3,0) Production Techniques for Instructional Settings: PR: Acceptance into Ed Media program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.
EME 5225  ED-T&L  3(3,0)
Media for Children and Young Adults: PR: Acceptance into ED Media Program or C.I. Survey of materials for children's and young adults' informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EME 5811  ED-T&L  1(1,0)
Teaching and Learning with Technology: Overview of teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 300C  ECS-MMAE  1(1,2)

EML 3034C  ECS-MMAE  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. CR: EML 3217 and EAM 3303C or EML 300C. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equation applications to mechanical and aerospace engineering. Fall, Spring.

EML 3101  ECS-MMAE  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. Principles, thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 3217  ECS-MMAE  3(3,0)
Engineering Mechanics - Dynamics: PR: EGN 3310C; CR: MAC 2313, MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, coordinate transformations and differential equation formulation of 2D motion; design of drives, flywheels and balancing of rotating machines. Fall.

EML 3262  ECS-MMAE  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.

EML 3303C  ECS-MMAE  3(2,3)
Mechanical Engineering Measurements: PR: EGN 3343; CR: EML 3303C. Theorization, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. Fall. M&S fee $15.00

EML 3500  ECS-MMAE  3(3,0)

EML 3701  ECS-MMAE  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 mechanics, Reynolds平均 flow equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3990  ECS-MMAE  0(0,0)
Mechanical Career and Academic Faculty Advising: I: PR: Mandatory meeting with students and their faculty advisor for career/advising advising. Graded S/U. Fall, Spring.

EML 4005  ECS-MMAE  3(3,0)
EML 5060 ECS-MMAE 3(3,0) Mathematical Methods in Mechanical, Materials, and Aerospace Engineering PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and LaPlace and Fourier transforms and inversions, variable coefficient ODEs and solutions of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.


EML 5291 ECS-MMAE 3(3,0) MEMS Materials PR: EML 5060, EML 6211, or C.I. Introduction of 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 5292 ECS-MMAE 3(3,0) Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems PR: EML 5060 or EML 6211. Introduction to mass-, 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 5311 ECS-MMAE 3(3,0) System Control PR: EML 4312C; CR: EML 5060. Modern control theory for linear and nonlinear systems; controllability and observability. Linear state feedback and state estimators, compensator design. Occasional.

EML 5402 ECS-MMAE 3(3,0) Turbomachinery PR: EML 3101, EML 4703 or EAS 4134. Applications of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.


EML 5456 ECS-MMAE 3(3,0) Turbines for Sustainable Power PR: EGM 3601, (EML 3365 or EML 3706), EML 3701 or EAS 3101; CR: EML 4220 or EAS 4210, EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technology. Fall.

EML 5523 ECS-MMAE 3(2,3) Computer-Aided Design for Manufacture PR: EGM 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and fabrication of mechanical thermal, and aerospace systems. Even Fall, Spring. M&S fee $15.00.


EML 5587C ECS-MMAE 3(2,3) Mechanics of Biostructures I PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MMAE 3(2,3) Mechanics of Biostructures II PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5713 ECS-MMAE 3(3,0) Intermediate Fluid Mechanics PR: EML 4703, CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow; inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. Occasional.


EML 5761C ECS-MMAE 3(3,2) Applied and Computational Fluidodynamics 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: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-WRITE 3(3,0) Honors Freshman Composition I PR: Score of 60+ on TSWE of SAT, EML 2210 and consent of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-WRITE 3(3,0) Composition II PR: ENC 1101 with a grade of "C" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1102H CAH-WRITE 3(3,0) Honors Freshman Composition II PR: ENC 1101H with a grade of "C" or better or C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1130 CAH-WRITE 3(3,0) Improving College-Level Writing PR: EML 2210. Entry-level writing course designed to prepare students to read and write effectively at the college level.

ENC 2127 CAH-ENG 3(3,0) Grammar and Composition PR: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.

ENC 2411C CAH-ENG 3(2,1) Digital Literacy for the Liberal Arts PR: Undergraduate-level content. Same as ENC 2411, with honors-level content. Designed to help students better understand how computer technologies have shaped our culture and ourselves, to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 2311 CAH-ENG 3(3,0) Theory and Practice of Technical Writing PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 2311H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0) Writing for the Technical Professional PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of documents, and translation of technical documents for the lay audience. With Honors Content. Occasional.

ENC 3250 CAH-ENG 3(3,0) Professional Writing PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Masterpieces of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.
ENC 3310 CAH-ENG 3(3.0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Rhetorical and historical study, analysis, and writing of articles as reflective exploration and cultural study. Fall, Spring.

ENC 3311 CAH-WRITE 3(3.0)
Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Rhetorical and historical study, analysis, and writing of essays as reflective exploration and cultural study. 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)
Advanced Argumentative Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will analyze current issues, assess others' arguments, and construct various types of arguments, including visual and multimedia. Spring.

ENC 3330 CAH-WRITE 3(3.0)
Rhetorical Traditions: PR: Grade of "C" (2.0) or better required in ENC 1102. Studies the origins of rhetoric and the evolution of its theoretical, pedagogical, and civic tradition. Even Spring.

ENC 3331 CAH-WRITE 3(3.0)
Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical, and civic tradition. Even 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. Fall, Spring.

ENC 3351 CAH-WRITE 3(3.0)
Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H CAH-WRITE 3(3.0)
Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.

ENC 3372 CAH-WRITE 3(3.0)
Topics in Rhetoric and Writing Historical and Theories: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of the historical and writing period, theoretical movement, or methodology. Occasional.

ENC 3373 CAH-WRITE 3(3.0)
Alternative Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Surveys approaches to rhetoric that fall outside the traditional Western tradition, emphasizing Native American and African traditions. Fall, Spring.

ENC 3373H CAH-WRITE 3(3.0)
Honors Alternative Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Surveys approaches to rhetoric that fall outside the traditional Western tradition, emphasizing Native American and African traditions. Fall, Spring.

ENC 3377 CAH-WRITE 3(3.0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE 3(3.0)
Writing, Literacy, and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology's impact on writing and literacy, focus on new media. Occasional.

ENC 3453 CAH-WRITE 3(3.0)
Writing About Health and Medicine: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.

ENC 3454 CAH-WRITE 3(3.0)
Topics in Public, Professional, and Disciplinary Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of practice with a specific type of civic, professional, or disciplinary writing. Occasional.

ENC 3455 CAH-WRITE 3(3.0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3473 CAH-WRITE 3(3.0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. Occasional.

ENC 3474 CAH-WRITE 3(3.0)
Writing About Health: PR: Grade of "C" (2.0) or better required in ENC 1102. An interdisciplinary practicum in writing about health and medicine for lay audiences. Fall, Spring.

ENC 3475 CAH-WRITE 3(3.0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. Occasional.

ENC 3475 CAH-WRITE 3(3.0)
Writing About Health: PR: Grade of "C" (2.0) or better required in ENC 1102. An interdisciplinary practicum in writing about health and medicine for lay audiences. Fall, Spring.

ENC 4265 CAH-ENG 3(3.0)
Writing for the Computer Industry: PR: Grade of "C" (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-WRITE 3(3.0)
Writing/Consulting: Theory and Practice: PR: Grade of "C" (2.0) or better in ENC 1102 and C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

ENC 4280 CAH-ENG 3(3.0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3.0)
Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3.0)
Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 1102 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3.0)
Document and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring.

ENC 4298 CAH-ENG 3(3.0)
Technical Communication for the Virtual Workplace: PR: ENC 1102. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. Fall, Spring.

ENC 4311 CAH-ENG 3(3.0)
Theory & Practice of Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical, emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3.0)
Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4353 CAH-ENG 3(3.0)
Writing for Social Change: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. Occasional.

ENC 4354 CAH-ENG 3(3.0)
Community Based Research and Writing: PR: Grade of C (2.0) or better required in ENC 1102. The study, application, and assessment of community-based research and writing using various methods, including intercultural inquiry. Occasional.

ENC 4354H CAH-WRITE 3(3.0)
Honors Community-Based Research and Writing: PR: Grade of C (2.0) or better required in ENC 1102, and consent of Honors. Study, application, assessment, and presentation of community-based research and writing using various methods, including intercultural inquiry. With Honors content. Occasional.

ENC 4360 CAH-ENG 3(3.0)
Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.
ENC 4374 CAH-WRITE  3(3,0)
Gendered Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women's rhetorics. Occasional.

ENC 4414 CAH-ENG  3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literature and internet information, with occasional development and individual conferences with their mentors. Occasional.

ENC 4415 CAH-ENG  3(3,0)
Digital Rhetorics and The Modern Dialectic: PR: Grade of “C” (2.0) or better required in ENC 1102. Explores the development of digital rhetorics appearing in online environments through close reading and analysis of formative rhetorical texts, fiction, and internet materials. Fall, Spring.

ENC 4416 CAH-WRITE  3(3,0)
Writing in Digital Environments: PR: Grade of C (2.0) or better required in ENC 1102. Study and practice of new media/internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4416H CAH-WRITE  3(3,0)
Honors Writing in Digital Environments: PR: Consent of Honors. Critical and rhetorical engagement with current writing and networked systems, including a range of online media and genres. With Honors content. Occasional.

ENC 4504 CAH-ENG  3(3,0)
Contemporary Composition Theory: PR: Grade of “C” (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE  3(3,0)
Writing and Identity: PR: Grade of “C” (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly 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 writing, with focus on college-level writing. Occasional.

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 document usability as 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 documents for business professionals, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-WRITE  3(3,0)
Writing/Consulting: Theory and Practice: PR: Graduate standing or senior 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-ENG  3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of the theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG  3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA’s will participate in staff development and individual conferences with their mentors. Occasional.
ENV 4300C ECS-CECE 3(2,2)  
Solid Waste Facility Design: PR: ENV 4341 with grades 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: CHM 2046 and ENV 3001 both 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 4433 ECS-CECE 3(2,2)  
Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.

ENV 4531 ECS-CECE 3(3,0)  
Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with efficient and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4562C ECS-CECE 3(2,2)  
Environmental Engineering Water Treatment Design: PR: EES 4202C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of system design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00

ENV 4563 ECS-CECE 3(3,0)  

ENV 5335 ECS-CECE 3(3,0)  
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CECE 4(4,0)  
Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CECE 3(3,0)  
Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO3, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.

ENV 5505 ECS-CECE 3(3,0)  

ENV 5517 ECS-CECE 3(3,0)  
Engineering Chemical and Biological Processes: CR: ENV 4561 or equivalent) or C.I. Coverage of equilibrium/chemical reaction, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. Fall.

ENV 5636 ECS-CECE 3(3,0)  
Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 4004C COS-BIOL 4(2,6)  
General Entomology: PR: ENV 3001 or C.I. (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $15.00

ENV 5006C COS-BIOL 4(2,6)  
Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontology, 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-TLAL 3-16(3,16)  

ESE 4942 ED-TLAL 1(1,0)  
Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culuminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLAL 7-12(0.35)  
Internship II - Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded SU/0 or Letter grade. Occasional.

ESE 5214 ED-TLAL 3(3,0)  

ESI 4221 ECS-IEMS 3(3,0)  

ESI 4234 ECS-IEMS 3(3,0)  
Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-IEMS 3(3,0)  
Operations Research: PR: STA 3032. 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 4321 ECS-IEMS 3(3,0)  
Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523 ECS-IEMS 3(2,3)  
Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4626C ECS-IEMS 3(3,0)  
Industrial Engineering Applications of Computers: PR: EIN 3001 or C.I. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. Fall.
Cinema Survey: PR: Graduate status or C.I. Readings in selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

European Imperialism: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

Colloquium in Medieval Europe: PR: Graduate standing or C.I. Readings in selected topics in the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.


EXP 3640 COS-PSYCH 3(3,0) Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

EXP 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213C; Exp 3504C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee $15.00

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. Study of human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0) Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0) Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 560, 580, or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000H CAH-FILM 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0) Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00

FIL 2030 CAH-FILM 3(2,2) History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall, Spring.

FIL 2107 CAH-FILM 3(3,0) Script Analysis: PR: or CR, ENC 1101 and FIL 1007. Introductory to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0) Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in filmmaking. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0) Cinematography I: PR: FIL 2552 and FIL 2450. Concepts and tools of cinematography and lighting. Fall, Spring.

FIL 2480 CAH-FILM 3(3,0) Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3472C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0) Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0) Editing I: PR: FIL 1008 and FIL 3472C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-FILM 3(3.0) Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring.

FIL 3035C CAH-FILM 3(3,1) Film Histories I: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0) Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0) Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0) History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty inventions to its rise as a cinematic force of popular storytelling. Even Fall.


FIL 3070C CAH-FILM 3(3,1) Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1) Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1) Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1) Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1) Cinema in the 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1) Film and Modernism I: PR: FIL 3035C and ARH 2051. A relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1) Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0) Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. 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-FILM 3(3,0) Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Luddites 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-FILM 3(3,0) Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. Spring.

FIL 3304C CAH-FILM 3(1,3) Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0) Documentary: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques of dramatizing real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-FILM 3(3,1) Film Documentary: PR: FIL 2107 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring.

FIL 3397C CAH-FILM 3(3,6) Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.
FIL 3379H CAH-FILM 3(3,6) Honors Advanced Documentary Workshop: PR: ENG 4800 and consent of Honors or C.I. Public history research and documentary production. Student-produced multimedia projects centered on local partnerships that explore the public history of Central Florida. With Honors content. Occasional.

FIL 3427C CAH-FILM 3(2,4) Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall.

FIL 3455C CAH-FILM 6(2,4) Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2303. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-FILM 3(3,1) Cinematic Expression: PR: FIL 3035C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-FILM 3(3,0) Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM 3(3,1) Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Fall.

FIL 3534 CAH-FILM 3(3,0) Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aethetics aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3720C CAH-SVAD 3(2,4) Introduction to Animation: PR: DIG 3551 and declared Character Animation specialization, or ART 3550 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. M&S fee $45.00

FIL 3734C CAH-SVAD 3(2,4) Intermediate Animation: PR: Experimental Animation and Character Animation majors only, FIL 3720C and DIG 4790C, 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. M&S fee $45.00

FIL 3803C CAH-FILM 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall.

FIL 3804C CAH-FILM 3(3,1) Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring.

FIL 3812C CAH-FILM 3(3,1) Film Theories and Practices: PR: FIL 2107. Concentration on the film theories of filmmakers in relation to their work and to the cinema generally. Spring.

FIL 3820C CAH-FILM 3(3,0) Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-FILM 3(3,0) French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0) German Film: PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3824 CAH-FILM 3(3,0) Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM 3(3,1) American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures. films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.


FIL 3841 CAH-FILM 3(3,0) French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-FILM 3(3,0) International Cinema: PR: or CR: FIL 3036 or FIL 3037, and Film BFA or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM 3(3,0) World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall. Spring.

FIL 3847 CAH-FILM 3(3,0) Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM 3(3,0) Cinema Directors: PR: FIL 3800C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM 3(3,0) Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM 3(3,1) The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.


FIL 3862C CAH-FILM 3(3,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


Documentary Workshop I:
FIL 4301C CAH-FILM 3(1,3)
Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

Documentary Workshop II:
FIL 4302C CAH-FILM 3(1,3)
Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

Film Fiction and the Document:
FIL 4303C CAH-FILM 3(3,1)
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.

Capstone I:
FIL 4434C CAH-FILM 3(2,4)
Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall.

Film Theory/Film Production:
FIL 4436 CAH-FILM 3(3,0)
Pr: FIL 2423 or FIL 3427c and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

Cinematography II:
FIL 4472C CAH-FILM 3(2,4)
Pr: FIL 3720c, FIL 3734c, FIL 4735c, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee $5.00

Directing for Film II:
FIL 4486c CAH-FILM 3(3,1)
Pr: FIL 2461b, FIL 3427c, FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee $5.00

Directing for Film III:
FIL 4487 CAH-FILM 3(3,0)
Pr: FIL 4466c, FIL 4468c, and any film directing. Spring.

Sound Design for Film II:
FIL 4535C CAH-FILM 3(3,1)
An understanding of how production mixers bring the film director's vision to the screen. Spring.

Sound Design for Film III:
FIL 4536 CAH-FILM 3(3,0)
Pr: FIL 4535c. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

Editing II:
FIL 4566c CAH-FILM 3(3,2)
Pr: FIL 2274c. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

Theories of Film Production:
FIL 4573C CAH-FILM 3(1,3)
Pr: FIL 4443c. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

Film Business:
FIL 4602 CAH-FILM 3(3,0)
Pr: FIL 2423 or FIL 3427c and junior standing and FIL 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.

Film Production/Production Management:
FIL 4647 CAH-FILM 3(3,0)
Pr: ENGL 1102 and Junior Standing, or C.I. Production, Budgeting, Script breakdown, construction of production boards, scheduling, location scouting, and crew procurement Spring.

The Film Producer:
FIL 4661 CAH-FILM 3(3,0)
Pr: FIL 2423 of FIL 3427c and junior standing and FIL BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.

Advanced Animation:
FIL 4735c CAH-SVAD 3(2,4)
Pr: "C" or better in FIL 3734c and a satisfactory portfolio review or C.I. Advanced 3d modeling, animation, techniques. Works in small production teams, students will create short animated segments using a high-end 3d animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $45.00

Film and Digitalization:
FIL 4740c CAH-FILM 3(3,1)
Pr: FIL 3035c. A study of the course is abilities offered with practical and thinking about film by digitalization. Occasional.

Animation Workshop:
FIL 4750c CAH-SVAD 3(2,4)
Pr: Animation majors only, FIL 3720c, FIL 3734c, FIL 4735c, and a satisfactory portfolio review or C.I. Production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $45.00

Motion Picture Business:
FIL 4830 CAH-FILM 3(3,0)
Pr: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional. M&S fee $5.00

Honors Motion Picture Genre:
FIL 4830H CAH-FILM 3(3,0)
Pr: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

Montage:
FIL 4863c CAH-FILM 3(3,1)
Pr: FIL 3070c and FIL 3076c. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theory, analysis of film and practical exercises. Fall.

Current Problems in Film and Culture:
FIL 4934c CAH-FILM 3(3,1)
Pr: FIL 3035c. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

Current Problems in Film Theory:
FIL 4935c CAH-FILM 3(3,0)
Pr: FIL 3035c. Concentration on recent work in film studies concerned with film theory. Occasional.

Current Problems in Film History:
FIL 4939c CAH-FILM 3(3,1)
Pr: FIL 3035c. Concentration on recent work in film studies concerned with film history. Occasional.

Visual Storytelling:
FIL 5165 CAH-FILM 3(3,0)
Entrada a Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. Fall.

Theories of Film Production:
FIL 5416 CAH-FILM 3(3,0)
Pr: FIL MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

Film Vision, Scope & Financing:
FIL 5414 CAH-FILM 3(3,0)
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.

Developing the Film Screenplay:
FIL 5419 CAH-FILM 3(3,0)
Pr: Admission to MFA Film & Digital Media Ent De Dip Cin track, or C.I. Development of an existing or original screenplay to fit the demands, limits, and possibilities of the microbudget digital film paradigm. Fall.

Film and Internet Business:
FIL 5612 CAH-FILM 3(3,0)
Pr: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.

Research Methods in Film and Digital Media:
FIL 5800 CAH-FILM 3(3,0)
Pr: Acceptance to Film and Digital media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

Independent Cinematic Forms:
FIL 5853 CAH-FILM 3(3,0)
Pr: Admission to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Evaluation of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

Ways of Seeing: The Expressive Potential of Film:
FIL 5864 CAH-FILM 3(3,0)
Pr: Acceptance to MFA Film & Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

Graduate Seminar:
FIL 5924 CAH-FILM 3(1,0)
Pr: Acceptance to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Comparative analysis of motion picture paradigms for feature film scripts. Fall.

Personal Finance and Investments:
FIN 2100 BA-FIN 3(3,0)
Pr: Open to all students (majors, minors and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

Financial Markets:
FIN 3303 BA-FIN 3(3,0)
Pr: FIN 3403c with a "C" (2.0) or better, open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

Business Finance - Honors:
FIN 3403C BA-FIN 4(3,1)
Pr: Acceptance to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Research methodology for the study and production of film and new media. Spring.

Business Finance - Honors:
FIN 3403H BA-FIN 4(4,0)
Pr: Acceptance to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Research methodology for the study and production of film and new media. Spring.

Intermediate Corporate Finance:
FIN 3414 BA-FIN 3(3,0)
Pr: FIN 3403c with a "C" (2.0) or better, open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

Financial Statement Analysis:
FIN 3461 BA-FIN 3(3,0)
Pr: FIN 3403c with a "C" (2.0) or better, open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

Management of Financial Institutions:
FIN 3504 BA-FIN 3(3,0)
Pr: FIN 3403c with a "C" (2.0) or better, open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.
FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303 with a "C" (2.0) or better, open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current trends. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 4414 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 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3504 and FIN 3594, each with a "C" (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3504 and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Options, futures, forward, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management I: PR: Finance major, FIN 3403C and FIN 3504, each with a "C" (2.0) or better. Open to UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management II: PR: Finance major, FIN 4560C with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics including using and derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 4304C and FIN 5335, each with a "C" (2.0) or better; CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 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(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-T&L 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-T&L 2(2,0) Technology in the Foreign Language Classroom: PR: ED 3404, EDG 4320. Applications of technology in the foreign language classroom including uses of the Web, email, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-T&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-T&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4323, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-T&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I. or EDG 4323, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. 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. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-T&L 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 5870 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces principles and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FRE 1120C CAH-LANG 4(3,1) Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) 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: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced 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: Two semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, protocols, 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 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. Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the French influence within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 3(8,6) 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 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

UCF Courses and Descriptions

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FRE 4782 CAH-LANG 2(2,0)
Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive study in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3,0)
French and Francophone Literary Masterpieces in Translation: PR: FRE 2000. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3562 CAH-LANG 3(3,0)
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0)
French Medieval Literature and Culture: PR: FRV 3810. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary movements and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)
The French Literature of Canada: PR: FRE 2201 or equivalent. Main literary currents and works of the last 19th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0)

FRW 3760 CAH-LANG 3(3,0)

FRW 3770 CAH-LANG 3(3,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0)
French Literary Texts and Analysis: PR: FRE 2201. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazz, Beckett, Butor, Camus, Mauriac, Malraux and Sartre. Occasional.

FRW 4310 CAH-LANG 3(3,0)

FRW 4324 CAH-LANG 3(3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Ciaudaulx, Ionesco, and Sartre; different literary approaches will also be used. Occasional.

FRW 4380 CAH-LANG 3(3,0)

FRW 4440 CAH-LANG 3(3,0)

FRW 4532 CAH-LANG 3(3,0)

FRW 4552 CAH-LANG 3(3,0)

FRW 4820 CAH-LANG 3(3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2212C RCHM-FOOD&LODG 4(4,3)
RCHM-FOOD&LODG 4(4,3)
Techniques of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00

FSS 2284C RCHM-FOOD&LODG 4(4,3)
Food Preparation for Catered Events: Basic principles of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional. M&S fee $70.00

FSS 2291C RCHM-FOOD&LODG 4(4,3)
Food and Beverage Management: Basic principles of food and beverage business management. M&S fee $70.00

FSS 3323C RCHM-HOS 3(3,0)
Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which provides the student the opportunity to develop skills in pantry, gardener, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $45.00

FSS 4135 RCHM-HOS 3(3,0)
Corporate Contract for Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commonly purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-HOS 3(3,1)
Catering and Banquet Organization: PR: FSS 2212C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00

GEA 4405 CAH-LAS 3(3,0)
Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business. Provides a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3,0)
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 3(3,0)
Cornerstone: Professional Skills for Business: PR: Junior standing. An introduction to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3031L BA-MAN 1(0,2)
Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3113 BA-MAN 3(3,0)
How to Start a Business: PR: Sophomore Standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375 BA-FIN 4(4,0)
Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 4(4,0)
Introduction to International Business - Honors: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

GEB 4110 BA-MAN 3(3,0)
Business Plan Preparation: PR: MAN 4802 or GEB 4152. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0)
New Venture Finance: PR: MAN 4802 or GEB 4152. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. Odd Fall, Even Spring.

GEB 4152 BA-MAN 3(3,0)

GEB 4381 BA-FIN 3(3,0)
Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAR 3025, each with a "C" (2.0) or better. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4374 BA-FIN 3(3,0)
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435 BA-MAN 3(3,0)

GEB 4824 BA-BUS 3(3,0)
Business Law in Sport & Entertainment: PR: SPN 3002 or with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.
UCF Courses and Descriptions

**GEB 5516** BA-MAN
3(3,0)
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on evaluation, 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-BUS
1.5(1.5,0)
Professional Business Practicum: PR: Acceptance into 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** ECS-CECE
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** ECS-CECE
3(3,0)
Resources Geography: Analysis of basic principles and methods 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 C.I. Analysis of factors which affect power relations among nations, offering insight into location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

**GER 1120C** CAH-LANG
4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

**GER 1120H** CAH-LANG
4(4,1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

**GER 1121C** CAH-LANG
4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

**GER 1121H** CAH-LANG
4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

**GER 2200** CAH-LANG
3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

**GER 2201** CAH-LANG
3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

**GER 2210** CAH-LANG
3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

**GER 2240** CAH-LANG
3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

**GER 2270** CAH-LANG
6(6,0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

**GER 2271** CAH-LANG
2(2,0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

**GER 3102** CAH-LANG
3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

**GER 3271** CAH-LANG
2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

**GER 3420** CAH-LANG
3(3,0)

**GER 3440** CAH-LANG
3(3,0)

**GER 3441** CAH-LANG
3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

**GER 3471** CAH-LANG
6(6,0)

**GER 3760** CAH-LANG
3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

**GER 3780** CAH-LANG
3(3,0)
German Phonetics and Diction: PR: GER 3760. 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 II: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

**GER 4530** CAH-LANG
3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from 19th and 20th centuries. Even Fall.

**GER 4540** CAH-LANG
3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

**GER 4301C** UGST-INTERDISC
3(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, include the raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

**GEO 1200** ECS-CECE
3(3,0)
Glacial and Surf Processes: PR: Advanced standing in GEO 1030C or any other 3000 level geological science course. An introduction to the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee $15.00

**GEO 3326H** COS-PHYC
3(3,0)
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasional.

**GEO 5007** CON-NURS
3(3,0)
Women and Health 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.

**GEO 5648** HPA-SOWK
3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing of C.I. The study of aging will be presented from interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

**GIS 3304C** UGST-INTERDISC
3(3,0)
GIS for Environmental Studies: PR: CGS 1060C or C.I. Geographic Information Systems (GIS) technology for environmental science. Topics include graphical software packages and graphics systems. GIS for Environmental Studies. Occasional.

**GLY 1030** COS-PSYCH
3(3,0)
Geology and its Applications: Geologic principles, applications, and hazards including: geostatistics, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

**GRA 2101C** CAH-SVAD
3(2,4)
Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee $15.00

**GRA 2101H** CAH-SVAD
3(2,4)
Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee $15.00

**GRA 2151C** CAH-SVAD
3(2,4)
Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. Fall, Spring.
UCF Courses and Descriptions

HFT 3770 RCHM-TEA 3(3.0) Cruise Line Operations and Management: PR: HFT 2401, 2500, or junior standing. An in-depth study of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3.0) 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.

HFT 3792 RCHM-TEA 3(3.0) Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

HFT 3798 RCHM-TEA 3(3.0) 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.

HFT 3868 RCHM-HOS 3(3.0) History and Culture of Wine: PR: World History course 2700 or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee $45.00

HFT 3933 RCHM-RCHM 1(1.0) Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 RCHM-RCHM 0-5(1-5) Cooperative Education: Provides paid, pre-professional work experience related to the student's major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4206C RCHM-HOS 3(3.1) 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.

HFT 4253 RCHM-TEA 3(3.0) Hotel Operations: PR: HFT 2401, HFT 2500, HFT 2504, HFT 3523 and Senior Standing. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflict between theory and practice in a real life hotel. Occasional.

HFT 4255 RCHM-HOS 3(3.0) Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3.0) Restaurant Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3.0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4274 RCHM-HOS 3(3.0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS 3(3.0) Development of Vacation Ownership Resorts: PR: HFT 2373 and HFT 4473 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3.0) Yacht, Country, And City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS 3(3.0) Restaurant Leadership Strategies and Tacticians: PR: HFT 3263, HFT 3523 and restoration Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4286 RCHM-HSP SERV 3(3.0) Hospitality Communications: PR: HFT 1000; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interdepartmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HSP SERV 3(3.0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, case discussions, and group case analysis presentations. Fall, Spring.

HFT 4343 RCHM-HOS 3(3.0) Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and business areas. Odd Fall.


HFT 4375 RCHM-HSP SERV 3(3.0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and demanding show expectations. Event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(3.0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-HSP SERV 3(3.0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-HSP SERV 3(3.0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry, Fall, Even Spring.

HFT 4464 RCHM-HSP SERV 3(3.0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and their application to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-HSP SERV 3(3.0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3444. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3.0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3.0) Resort Sales Tactics and Strategies: PR: HFT 1000, 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4532 RCHM-TEA 3(3.0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 3263 and junior standing or C.I. Managing employee needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


HFT 4614 RCHM-TEA 3(3.0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4732 RCHM-TEA 3(3.0) Tourism Impact Analysis: PR: HFT 3700. Quantifies the social, economic and environmental impact of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3.0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3.0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3.0) Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3.0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3.0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3.0) Event Management: PR: HFT 3870, HFT 3512, HFT 3373 HFT 3523, HFT 3519, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall, Spring. M&S fee $55.00

HFT 4759 RCHM-TEA 3(3.0) Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3(3.0)</td>
<td>PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Spring.</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3(3.0)</td>
<td>PR: HFT 4755. Organizational structures and operational culture of theme parks and attractions. Fall.</td>
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<tr>
<td>HFT 4791</td>
<td>Event Management II</td>
<td>3(3.0)</td>
<td>PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. Occasional. M&amp;S fee $65.00</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Catering Management</td>
<td>3(3.0)</td>
<td>PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, catering, costuming, staffing, and evaluation. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3(3.0)</td>
<td>PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.</td>
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<tr>
<td>HFT 4802</td>
<td>Catering Management</td>
<td>3(3.0)</td>
<td>PR: HFT 3443, HFT 3870, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation in the Food Service Industry</td>
<td>3(3.0)</td>
<td>PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and foodborne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
<td>3(3.1)</td>
<td>PR: Minimum age of 21. The history of beverages, their production, marketing, and control of beverages in the hospitality industry. Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3(3.0)</td>
<td>PR: HFT 1000, HFT 3260. Minimum age of 21. The production and service of malt beverages. Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>HFT 4865</td>
<td>Advanced Wine Management</td>
<td>3(3.0)</td>
<td>PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&amp;S fee $40.00</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3(3.1)</td>
<td>PR: HFT 1002, HFT 3263; and Age of 21 or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3(3.1)</td>
<td>PR: FSS 2221C, HFT 3700, 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. Spring.</td>
</tr>
<tr>
<td>HFT 4949</td>
<td>Cooperative Education</td>
<td>0-5(0-1.5)</td>
<td>PR: 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.</td>
</tr>
<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information Management (HIM)</td>
<td>3(3.0)</td>
<td>PR: ENC 1102. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 3116C</td>
<td>Health Record Organization and Management</td>
<td>4(3.2)</td>
<td>PR: HIM 3006, HIM 3116C. Version of 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.</td>
</tr>
<tr>
<td>HIM 3806C</td>
<td>Professional Practice Experience I</td>
<td>3(1.4)</td>
<td>PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Visit to hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and release; and release of information. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 4226C</td>
<td>Coding Procedures I</td>
<td>5(3.4)</td>
<td>PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 4256C</td>
<td>Coding Procedures II</td>
<td>3(2.2)</td>
<td>PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS, APOs; encoders. Fall.</td>
</tr>
<tr>
<td>HIM 4344C</td>
<td>Health Information Department Management</td>
<td>4(3.2)</td>
<td>PR: HFT 3116C, HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; economics and space planning. Fall.</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3(2.2)</td>
<td>PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review, case management and risk management. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Health Information Systems</td>
<td>3(2.2)</td>
<td>PR: or C.I. HSC 3006. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 4676</td>
<td>Health Information and Issues in Health Information Management</td>
<td>3(3.0)</td>
<td>PR: HMI 4344C, HMI 4508C, HMI 4656C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.</td>
</tr>
<tr>
<td>HIM 4816C</td>
<td>Health Care Informatics</td>
<td>3(1.4)</td>
<td>PR: HFT 3806C and C.R: HMI 4226C, HMI 4256C, HMI 4344C, and HMI 4508C. Translation; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 4383</td>
<td>Management Affiliation</td>
<td>5(0.15)</td>
<td>PR: or C.R: HMI 4676 and HMI 4816C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 4362</td>
<td>History of Science</td>
<td>3(3.0)</td>
<td>PR: EUI 2000 and EUI 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. Occasional.</td>
</tr>
<tr>
<td>HIS 3849</td>
<td>Cooperative Education in History</td>
<td>3(0.9)</td>
<td>PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>HIS 4065</td>
<td>Public History: Principles &amp; Techniques</td>
<td>3(3.0)</td>
<td>PR: HMI 4050 or C.R: Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. Occasional.</td>
</tr>
<tr>
<td>HIS 4150</td>
<td>History and Historians</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>HIS 4323</td>
<td>History of the Future</td>
<td>3(3.0)</td>
<td>PR: The history of future and how they were influenced by issues relevant to the period. Emphasis on 19th and 20th centuries. Occasional.</td>
</tr>
<tr>
<td>HIS 4490</td>
<td>History of Medicine</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>HIS 4935</td>
<td>Senior Seminar</td>
<td>3(3.0)</td>
<td>PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 4944</td>
<td>Internship in Public History</td>
<td>3(3.0)</td>
<td>PR: C.R: The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 4970</td>
<td>Senior Thesis</td>
<td>3(3.0)</td>
<td>PR: Admission to M.S. in Health Care Administration or C.R: Computerized information systems; health and vital statistics; data analysis and retrieval; and release of information. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 5067</td>
<td>Introduction to Public History</td>
<td>3(3.0)</td>
<td>PR: Senior status or standing in C.R: The Practice of health and care systems; the health care industry, systems analysis, systems design and project management concepts. Fall, Spring.</td>
</tr>
<tr>
<td>HIS 5311</td>
<td>Introduction to Public History</td>
<td>3(3.0)</td>
<td>PR: Graduate status or standing in C.R: The Practice of health and care systems; the health care industry, systems analysis, systems design and project management concepts. Spring, Fall.</td>
</tr>
<tr>
<td>HIS 4111</td>
<td>Introduction to Public History</td>
<td>3(3.0)</td>
<td>PR: Admission to M.S. in Health Care Administration</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

HSA 3222 HPA-HP 3(3,0)

HSA 3430 HPA-HP 3(3,0)
Health Care Economics: PR: HSA 3111; ECO 2020, 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 Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H HPA-HP 3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0)
Organization & Management for Health Care Providers I: PR: HSA 3111 or HSA 4150, or C.I. Introduction to the evaluation of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall, Spring.

HSA 4184 HPA-HP 3(3,0)
Organization & Management for Health Care Providers II: PR: HSA 3111 and HSA 4150, or C.I. In-depth discussion of planning and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall, Spring.

HSA 4191 HPA-HP 3(3,0)
Health Care Automation: PR: HSA 3111; CGS 2106C or CGS 2106C, or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4220 HPA-HP 3(3,0)

HSA 4502 HPA-HP 3(3,0)

HSA 4702 HPA-HP 3(3,0)
Health Sciences Research Methods: PR: STA 2014C or STA 2023, and Junior Standing, or C.I. Introduction to research design in the Health Sciences including data collection, design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850 HPA-HMI VAR
Health Services Administration Internship: PR: 2.5 UCF GPA, 30 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0)
Health Services Administration Capstone: PR: HSA major and Junior Standing, HSA 3170, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HP 3(3,0)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: HSC 6638; B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5257 HPA-HP 3(3,0)
ICD9 Coding for Health Services Administrators: PR: HSC 6638 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of the ICD9-CM coding process and the compliance issues relevant to the process. Occasional.

HSA 5346 HPA-HMI 3(3,0)
Foundations of Health Care Economics: PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.

HSC 1931C HPA-HPA 2(1,1)
Foundations of Leadership: PR: HSA 3111 or (STA 2014C or STA 2023), or C.I. Course will introduce the contractual, financial, and managerial decision making process will be presented. Fall.

HSC 2000 HPA-HP 3(3,0)
Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Fall.

HSC 2921 HPA-HP 2(2,0)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GREB 101C or EDG 100C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(3,0)
Medical Self Assessment: PR: ENC 1101 and MGF 462. Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(3,0)
Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(3,0)
Preventive Health Care: PR: PCB 3703C. An interdisciplinary approach to help maintain people and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3432 HPA-HP 3(3,0)

HSC 3537 HPA-HP 3(3,0)
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SC&DIS 3(3,0)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(3,0)
Professional Development in Health Professionals: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0)
Medical Pharmacology I: PR: BSC 2010C and admission to the B.S. Pharmacology program or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardiology drug classes. Fall.

HSC 4159 HPA-HP 2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(3,0)
Community Health: PR: ENC 1102 and MIN 1102C, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.

HSC 4500 HPA-HP 3(3,0)
Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP 3(3,0)
Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

HSC 4555 HPA-HP 3(3,0)
Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP 3(3,0)
Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4564 HPA-HP 3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4572 HPA-HP 3(3,0)

HSC 4652 HPA-HP 3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP 3(3,0)
Applied Health Research Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Occasional.
and culture from Vedic times to the modern age, with focus on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Occasional.

HUM 2210H CAH-PHIL 3(3,0)
Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 2230 CAH-PHIL 3(3,0)
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0)
Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 2325 CAH-PHIL 3(3,0)
Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 2325 CAH-PHIL 3(3,0)
Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

HUM 3230 CAH-PHIL 3(3,0)
Contemporary Multicultural Studies: PR: HUM 2230. Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3394 CAH-PHIL 3(3,0)
Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social space and place. Occasional.

HUM 3401 CAH-PHIL 3(3,0)
Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3417 CAH-PHIL 3(3,0)
Indian Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 3419 CAH-PHIL 3(3,0)
Islamic Thought and Culture: PR: HUM 2230, or REL 2300. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL 3(3,0)
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300. Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3423 CAH-PHIL 3(3,0)

HUM 3431 CAH-PHIL 3(3,0)
Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL 3(3,0)
Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL 3(3,0)
Latin American Humanities: PR: HUM 110 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHIL 3(3,0)
Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, the war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHIL 3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3800 CAH-PHIL 3(3,0)
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL 3(3,0)
The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various historical times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL 3(3,0)
The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Exploration of philosophical and religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. Occasional.

HUM 4330 CAH-PHIL 3(3,0)
Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2106, PHI 2111, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4554 CAH-PHIL 3(3,0)
Religious Queer and Human Dilemma: PR: ENC 1102 or C.I. Critical examination of quests for meaning and value as articulated by religious philosophers, theologians with existential questions; examines problems of truth, knowledge, and belief. Occasional.

HUM 4556 CAH-PHIL 3(3,0)
Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL 3(3,0)

HUM 4826 CAH-PHIL 3(3,0)
Postcolonial Theory: PR: HUM 2210 and HUM 2230; Junior standing. Interdisciplinary overview of postcolonial philosophy, literature, film, art and cultural theory. Even Fall.

HUM 4933 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

HUM 5802 CAH-PHIL 3(3,0)
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5903 CAH-PHIL 3(3,0)
Honors Field Studies: PR: Senior standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, conceptual methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUM 2002 HPA-HP 3(3,0)
Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUM 3011 CON-NURS 3(3,0)
Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUM 3101 RCHM-HON 3(3,0)

HUM 5247 HPA-HP 3(3,0)
Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

IDH 1920H BHC-HON 2(2,1)

IDH 1921H BHC-HON 2(2,0)
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 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 1924H, with permission of Pre-majored Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.
UCF Courses and Descriptions

IDS 1040C COS-COMM 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C COS-COS 2(1,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GES 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1030C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3180 HPA-PUB 3(3,0)
Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1002 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334 CAH-HIST 3(3,0)
Topics in Latino Studies: PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3393 UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4204C ECS-ECS 3(2,2)
Advanced Topics in Energy and Sustainability: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

IDS 4315 COS-POLS 3(3,0)
Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

IDS 4335 CAH-CAH 3(3,0)
Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4934 UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student examination 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&E fee $17.00

IDS 5127 COM-MAM 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing, fundamental theory, design, and practice of image processing techniques used for basic biomedical research applications. Occasional.

IDS 5145 ECS-EMS 3(3,2)
Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.

IDS 5717C COS-PSYCH 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2303 or equivalent. Introduces to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

INP 3004C COS-PSYCH 3(3,2)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3004H COS-PSYCH 3(3,0)

INP 3141C COS-PSYCH 1-3(0,3-9)

INP 3951 COS-PSYCH 3(10,0)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: INP 3004C. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Occasional.

INP 4390 COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 3012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing. C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0)
International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0)

INR 3253 COS-POLS 3(3,0)
International Politics of Africa: PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Odd Spring.

INR 4011 COS-POLS 3(3,0)
Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0)

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 North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. Occasional.

INR 4060 COS-POLS 3(3,0)
Causes of War: PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063 COS-POLS 3(3,0)

INR 4074 COS-POLS 3(3,0)
Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, the statelessness and their political/security impact. Occasional.

INR 4075 COS-POLS 3(3,0)

INR 4076 COS-POLS 3(3,0)

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: 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)

INR 4102 COS-POLS 3(3,0)
American Foreign Policy: PR: POS 2041 or INR 2002, or C.I. Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy, issues may include September 11th homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0)
American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0)
Strategic Weapons and Arms Control: PR: Junior Standing or C.I. Control of strategic weapons and their impact, Technological and policy aspects, including nuclear proliferation. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3701</td>
<td>CAH-JUD</td>
<td>History of the Holocaust</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.</td>
</tr>
<tr>
<td>JST 3751</td>
<td>CAH-JUD</td>
<td>Literature of the Holocaust</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew literature. Occasional.</td>
</tr>
<tr>
<td>JST 3803</td>
<td>CAH-JUD</td>
<td>The Israeli Experience in Short Stories</td>
<td>3(3,0)</td>
<td>ENC 1102, The Israeli experience in contemporary short stories. Themes include Judaism - Past &amp; Present, War &amp; Peace in Society, the Holocaust, the Kibbutz and Israeli reality. Occasional.</td>
<td></td>
</tr>
<tr>
<td>JST 3820</td>
<td>CAH-JUD</td>
<td>Modern Israeli Culture</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Development 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.</td>
</tr>
<tr>
<td>JST 3821</td>
<td>CAH-JUD</td>
<td>Building a Nation - the Challenges to and Accomplishments of the State of Israel</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore the establishment of the State of Israel, including elements of nation building, the role of religion, culture, science, hi-tech and higher education. Occasional.</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>ED-TL&amp;L</td>
<td>Literature for Children</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.</td>
</tr>
<tr>
<td>LAE 3431</td>
<td>ED-TL&amp;L</td>
<td>Language Arts in the Elementary School</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of current and emerging ideas about effective reading instruction, with emphasis on literacy development and content reading. Fall.</td>
</tr>
<tr>
<td>LAE 3432</td>
<td>ED-TL&amp;L</td>
<td>Programs in Teaching Language and Composition</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore the role of language in the development of children. Fall.</td>
</tr>
<tr>
<td>LAE 3436</td>
<td>ED-TL&amp;L</td>
<td>English Instructional Analysis</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Principles, procedures, organization and current practices in reading, writing, listening, and spelling in the elementary school. Fall.</td>
</tr>
<tr>
<td>LAE 3461</td>
<td>ED-TL&amp;L</td>
<td>Literacy Strategies for Middle and High School</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall.</td>
</tr>
<tr>
<td>LAE 4244</td>
<td>ED-TL&amp;L</td>
<td>Survey of Adolescent Literature</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore a variety of strategies for assessing students' including holistic scoring, primary trait scoring, and portfolio assessment. Spring.</td>
</tr>
<tr>
<td>LAE 5195</td>
<td>CFWP</td>
<td>CFWP Teacher Consultant</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing in-service components to public schools. Occasional.</td>
</tr>
<tr>
<td>LAE 5295</td>
<td>ED-TL&amp;L</td>
<td>Writing Workshop</td>
<td>1-3(1-3,0)</td>
<td>C.I.</td>
<td>Students will engage in the practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LAE 5319</td>
<td>ED-TL&amp;L</td>
<td>Methods of Elementary School Language Arts</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.</td>
</tr>
<tr>
<td>LAE 5337</td>
<td>ED-TL&amp;L</td>
<td>Literacy Strategies for Middle and Secondary Teaching</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Designed to assist teachers and graduate students in understanding the adolescents' reading. Fall.</td>
</tr>
<tr>
<td>LAE 5383</td>
<td>ED-TL&amp;L</td>
<td>Teaching Writing and High School</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAE 5415</td>
<td>ED-TL&amp;L</td>
<td>Children's Literature in Elementary Education</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore the role of literature in the development of young people. Spring.</td>
</tr>
<tr>
<td>LAE 5495</td>
<td>ED-TL&amp;L</td>
<td>Assessing Writing</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore the role of literature in the development of young people. Spring.</td>
</tr>
<tr>
<td>LAH 3130</td>
<td>CAH-HIST</td>
<td>Latin American History</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>CAH-HIST</td>
<td>Modern Latin America</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAH 3400</td>
<td>CAH-HIST</td>
<td>History of Mexico and Central America</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAH 3470</td>
<td>CAH-HIST</td>
<td>History of the Caribbean</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Caribbean, including the history of Cuba and Puerto Rico. Fall.</td>
</tr>
<tr>
<td>LAH 4136</td>
<td>CAH-HIST</td>
<td>Colonial Florida</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>Students will explore the history of Spanish Colonial Florida until 1821. Odd Fall.</td>
</tr>
<tr>
<td>LAH 4461</td>
<td>CAH-HIST</td>
<td>History of Puerto Rico</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the history of Puerto Rico from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAH 4480</td>
<td>CAH-HIST</td>
<td>History of Cuba</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the history of Cuba from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAH 4503</td>
<td>CAH-HIST</td>
<td>History of South America</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the history of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. Occasional.</td>
</tr>
<tr>
<td>LAH 4512</td>
<td>CAH-HIST</td>
<td>Latin America</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the history of modern Latin America. Fall.</td>
</tr>
<tr>
<td>LAH 4630</td>
<td>CAH-HIST</td>
<td>History of Modern Brazil</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAH 4742</td>
<td>CAH-HIST</td>
<td>The Mexican Revolution</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAH 4780</td>
<td>CAH-HIST</td>
<td>Poverty and Development in Latin America</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAH 5713</td>
<td>CAH-HIST</td>
<td>Currents in U.S.-Latin American Relations</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAS 3001</td>
<td>CAH-LAS</td>
<td>Topics in Latin American Studies</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAS 3101</td>
<td>CAH-LAS</td>
<td>Latin American Popular Culture</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAS 4020</td>
<td>CAH-AAS</td>
<td>African Caribbean Experience</td>
<td>3(3,0)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAT 1120C</td>
<td>CAH-LANG</td>
<td>Elementary Latin Language and Civilization</td>
<td>4(3,1)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
<tr>
<td>LAT 1121</td>
<td>CAH-LANG</td>
<td>Elementary Latin Language and Civilization</td>
<td>4(4,1)</td>
<td>C.I.</td>
<td>A comprehensive study of the Mexican Revolution from pre-Columbian era to present. Occasional.</td>
</tr>
</tbody>
</table>
LDR 2262 UGST-INTERDISC 1(0,1) Focused Volunteer Community Service: Study will engage in volunteer experiences and reflect upon the value of those experiences. Graded SU. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0) Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Leadership experiences, processes, and leadership roles. Social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modernist’s approach to language. Analytic methods of phonology, morphology, syntax, Brief systematic survey of dialectology, language acquisition, and semantics. Occasional.

LIN 3673 CAH-WRITE 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today’s expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0) Language Science; PSR; CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS 3(3,0) Language Development: PR: LIN 3713; CR: LIN 3716. Students study language development from infancy to adulthood. Fall, Spring.


LIN 3717 HPA-COM SC&DIS 3(3,0) Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4015 CAH-ENG 3(3,0) History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-WRITE 3(3,0) Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kINESICS, proNEXICS, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0) Cross Cultural Communication: PR: Junior standing or C.I., and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0) Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0) Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS 3(3,0) Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COM SC&DIS 1(0,1) Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0) Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0) Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0) Continental European Fiction Since 1800: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0) Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

LIT 3192H CAH-ENG 3(3,0) Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Honorable Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0) Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Occasional.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3368 CAH-ENG 3(3,0) Magical Realism in Literature: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0) Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0) Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3437 CAH-ENG 3(3,0) International Environmental Justice Literature: PR: ENC 1102. Literary and creative works from different genres and international authors addressing issues and stories related to environmental justice themes, such as toxics and land use. Occasional.

LIT 3482 CAH-ENG 3(3,0) Literature & Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 3829H CAH-ENG 3(3,0) Honors Literature & Popular Culture: PR: Consent of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. Occasional.

LIT 3805 CAH-ENG 3(3,0) Literature and War: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Varied representations of war in literature. Occasional.

LIT 3714 CAH-ENG 3(3,0) Literary Modernism: PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. Occasional.

LIT 3823 CAH-ENG 3(3,0) Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3833 CAH-ENG 3(3,0) Modern Asian Literature: PR: ENC 1102. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

LIT 3834 CAH-ENG 3(3,0) Chinese Poetry in Translation: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.
LIT 3905 CAH-ENG 3(3,0) Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3931 CAH-ENG 3(3,0) Topics in World Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. Occasional.

LIT 3932 CAH-ENG 3(3,0) Topics in Popular Fiction: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Studies genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. Occasional.

LIT 3933 CAH-ENG 3(3,0) Literature and Law: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENG 314. Study of the works of a single non-British and non-U.S. author who composes in English. May be repeated for a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0) Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENG 3012, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.
MAC 2312H COS-MATH 4(4,0) Calculus with Analytic Geometry II (Honors): PR: Grade of “C” (2.0) or better in MAC 2311 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 Stokes’ Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III (Honors): 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 vector space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stokes’ Theorem. With Honors content. Spring.

MAD 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, set theory, principles of proof in mathematics and application to elementary discrete structure. Fall, Spring.

MAD 4203 COS-MATH 3(3,0) Introduction to Combinatorics: PR: MAD 2104, and either MTH 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations; multisets; recurrence relations; generating functions; combinatorial designs; the Pólya theory of counting. Fall.

MAD 4301 COS-MATH 3(3,0) Introduction to Graph Theory: PR: Either MTH 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity, traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAD 4343 COS-MATH 3(3,0) Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAD 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Pólya’s theory of counting; Latin squares and rectangles; block designs; error-correcting codes; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: EEC 4601, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TL&L 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring, M&S Fee $10.00.

MAE 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 4302. Study of current objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6236 or C.I. 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.

MAE 5336 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. A study of bi technical theories of management, financial planning, organizing, leading, and controlling. For Non-Business Major Only. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing and approved major or minor. Permission of Honors, ECO 2013, ECO 2023 and ACG 2071. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Application to student work environment. Fall, Application and approval. Occasional.


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 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.

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 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 Resources Recruitment and Selection: PR: Management major, MAN 3021. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(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 compensation systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, MAN 3301. The impact of employee organizations on labor relations, current issues, conflicts, trends and the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, MAN 3302. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Odd Spring.

MAN 4583 BA-MAN 3(3,0) Project Management: PR: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; 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 3302. The course 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 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C 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 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3031 or (MAN 3025 and MAN 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing and developing a new venture. Fall, Spring.

MAN 4941 BA-MAN 3(3,0) Management Internship: PR: Management major, approval application, consent of department chair. Provides students 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. Hands-on management of organizations including planning, organizational theory, human behavior, and control. Fall, Spring.


MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) Ordinary Differential Equations I: PR: Grade of C (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0) Differential Equations (Honors): PR: Grade of C (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For honors students from all disciplines. Occasional.


MAP 4010 COS-MATH 3(3,0) Mathematical Modeling I: PR: MAC 3105 and MAP 2302, or C.I. An introduction to the study of mathematical modeling. Spring.

MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications: PR: MAP 2302. Linear algebra, random variables, probability density functions, joint density functions, expectation, random processes, time and power spectrum. Occasional.

MAP 4153 COS-MATH 3(3,0) Vector Calculus: PR: MAC 2313 and MAC 3105, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization: PR: MAC 2313, MAP 2302, and MAS 3105, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.


MAP 4384 COS-MATH 3(3,0) Numerical Methods for Computational Sciences: PR: MAP 2302, MAS 3105, and C.P. 3232, or C.I. Theory of numerical methods and their application to mathematical problems and numerical analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. Spring.

MAP 4484 COS-MATH 3(3,0) Mathematical Biology I: PR: MAP 2302 and MAS 3105, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. Occasional.

MAP 4494 COS-MATH 3(3,0) Mathematical Biology II: PR: MAP 4484. Mathematical models of interacting populations and networks of populations. Population growth dynamics; predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.

MAP 4924 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 5101 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.

MAP 5336 COS-MATH 3(3,0) Ordinary Differential Equations and Applications: PR: STA 4321, or MAC 5228, or MAC 5253, or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. Spring.

MAP 5426 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and graduate standing or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonal polynomials of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate standing or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in incompressible and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5812 COS-MATH 3(3,0) Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0) Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0) Marketing - Honors: PR: Permission of Honors Committee. Honors introductory courses in marketing topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3203 BA-MAR 4(4,0) Supply Chain and Operations Management: PR: Permission to College of Business or completion of ECO 3401 or completion of ECO 3411 or completion of MAC 1140C (or higher) and STA 2014C (or higher) with a grade of C (2.0) or higher. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customers' demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0) Honors Supply Chain and Operations Management: PR: Consent of the Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. Fall.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills learned within the context of professional selling with honors content. Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAP 3203 with a grade of C (2.0) or better and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3,0) Sales Force Management: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0) Consumer Behavior: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3613 BA-MAR 3(3,0) Marketing Analysis and Research: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3641 BA-MAR 3(3,0) Marketing Intelligence: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0) Technology Applications in Marketing: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of contemporary technology to marketing decision-making. Occasional.
MAR 3765 BA-MAR 3(3,0) Entrepreneurial Marketing: PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate Major or Minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR 3(3,0) International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0) Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(2,3) Strategic issues in Sales-Lecture: PR: MAT 3623 and MAR 4415C each with a "C" (2.0) or better, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(2,3) Advanced Professional Selling: PR: MAR 3023 and MAR 3391 each with a "C" (2.0) or better, approved major or minor, and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3,0) Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

Fall.

MAR 4712 BA-MAR 3(3,0) Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0) Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAR 3033 and MAR 3613 each with a "C" (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0) Marketing Strategy: PR: MAR 4803 with a "C" (2.0) or better. Marketing problems are explored, with emphasis on strategic formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate major or minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, application from current senior chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrix determinants and vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3105H COS-MATH 4(4,0) Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms; with Honors content. Fall.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MTH 3302 and MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3205 COS-MATH 4(3,0) Introduction to Linear and Abstract Theory: PR: MAR 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 MAS 3106, or C.I. Sets and groups, rings, permutations, 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 4304 COS-MATH 3(3,0) Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0) Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0) Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidean domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033C COS-MATH 3(1,4) Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals, rational exponents; linear and quadratic equations, linear inequalities, and applications. This course is a "bridge course" which may be applied towards a degree in an effective and efficient manner. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2313C and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2313. MAP 2302, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MCB 1000 COM-M&M 3(3,0) The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.


MCB 2004C COM-M&M 4(3,2) Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $45.00

MCB 3020C COM-M&M 3(3,4) General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, genetic engineering, environmental concerns, ecology, pathogenicity; and laboratory techniques. Fall, Spring. M&S fee $45.00

MCB 3020H COM-M&M 5(3,5) General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3022 COM-M&M 3(3,0) Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering major pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and violence mechanisms. Occasional.

MCB 3023 COM-M&M 3(3,0) Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L COM-M&M 1(0.3) Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00


MCB 4201 COM-M&M 3(3,0) Microbial Stress Response: PR: MCB 3020C and PCB 3522. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MCB 4202 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4207 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. Fall.
Group-Effort Applied Research:

- MCB 4920C COM-M&M 3(1,4)
- MCB 4721C COM-M&M 4(2,4)

Infectious Processes:

- MCB 5205 COM-M&M 3(3,0)

Industrial Perspectives Seminar:

- MCB 5415 COM-M&M 3(3,0)

Virology:

- MCB 5505 COM-M&M 3(3,0)

Cellular Metabolism:

- MCB 5654 COM-M&M 3(3,0)

Methods in Biotechnology:

- MCB 5722C COM-M&M 4(2,4)

Virology:

- MCB 5932 COM-M&M Variable

Environmental Microbiology:

- MCB 4603 COM-M&M 3(3,0)

Methods in Biotechnology:

- MCB 4721C COM-M&M 4(2,4)

Applied Microbiology:

- MCB 5205 COM-M&M or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and genetic traits in microorganisms.

Biological Anthropology:

- MCB 4414 COM-M&M 3(3,0)

Microbial Metabolism:

- MCB 4414 COM-M&M 3(3,0)

Industrial Perspectives Seminar:

- MCB 4720 COM-M&M 3(3,0)

Methods in Biotechnology:

- MCB 4721C COM-M&M 4(2,4)

Biological Anthropology:

- MCB 4414 COM-M&M 3(3,0)

Microbial Metabolism:

- MCB 4414 COM-M&M 3(3,0)

Applied Microbiology:

- MCB 5205 COM-M&M or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and genetic traits in microorganisms.

Biological Anthropology:

- MCB 4414 COM-M&M 3(3,0)

Microbial Metabolism:

- MCB 4414 COM-M&M 3(3,0)

Methods in Biotechnology:

- MCB 4721C COM-M&M 4(2,4)

Biological Anthropology:

- MCB 4414 COM-M&M 3(3,0)

Microbial Metabolism:

- MCB 4414 COM-M&M 3(3,0)

Applied Microbiology:

- MCB 5205 COM-M&M or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and genetic traits in microorganisms.
UCF Courses and Descriptions

MLS 4312C COM&M&M 4(4,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee $15.00.

MLS 4321C COM&M&M 4(4,8) Basic Immunohematology: PR: Admission to the MLS program, MLS 3305, MLS 4550, MLS 4505C. Advanced study of hematopathy and pathophysiological correlation to hematopathy disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee $15.00.

MLS 4322C COM&M&M 4(4,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee $15.00.

MLS 4333C COM&M&M 4(4,8) Principles of Immunohematology: PR: Admission to the MLS program, MLS 4460C, MLS 4550. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4510C COM&M&M 1(1,0) Introduction to Clinical Research: PR: MLS 3202C, MLS 4525, MLS 4530. Introduces MLS students to different types of research within the clinical setting. Fall, Spring.


MMC 2004 COS-COMM 3(3,0) Mass Media Research Methods: PR: R-TV or Ad-PR major or Mass Comm. minor. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MMC 3200 COS-COMM 3(3,0) Mass Communication Law: PR: One of the following: SP 1608, SP 1603, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.

MMC 3200H COS-COMM 3(3,0) Honors Mass Communication Law: PR: SP 1608, SP 1603, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Occasional.

MMC 3420 COS-COMM 3(3,0) Mass Media Research Methods: PR: R-TV or Ad-PR major or Mass Comm. minor. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MMC 3630 COS-COMM 3(3,0) Social Media as Mass Communication: PR: Either SP 1608, SP 1603, COM 1000, or C.I. Principles and practices of social media and its role in mass communication to masses. Occasional.

MMC 4263 COS-COMM 3(3,0) New Media Technologies: PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM 3(3,0) International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle Eastern, Eastern European.

MMC 4411 COS-COMM 3(3,0) Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3006 and MUE 4000 and either PWR 4100 or AD 4101, and either CPR 4491 or AD 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MMC 4602 COS-COMM 3(3,0) Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. Spring.

MTG 4212 COS-MATH 4(4,0) Modern Geometries: PR: MAC 2311C and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, continuity in 2-space and 3-space, Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4254 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313 and MAS 3106. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MTG 4302 COS-MATH 3(3,0) Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 4393 COS-MATH 3(3,0) 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 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0) Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Advanced topics in manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C CAH-MUSIC 2(1,1) Composition I: PR: MUC 1112C and MUL 2014 each with a grade of “C” (2.0) or better or C.I. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1,1) Composition II: PR: MUC 2104C and MUC 1101C or Music composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1) Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Culuminating public concert of works written while studying Composition I/II/III. Graduated S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC 3(3,0) Electroacoustic Music Composition: PR: MUS 2305C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUE 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00.

MUE 2450 CAH-MUSIC 1(1,0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: 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 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUE 2470 or C.I. Advanced performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring. M&S fee $35.00.
UCF Courses and Descriptions

MUE 3210 ED-T&L (1,1)
Music in the Elementary School: PR: EDF 2005, CR/ARE 4311, HLP 4720, RED 4510, MUE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.

MUE 3333 CAH-MUSIC (3,0)

MUE 3353 CAH-MUSIC (2,0)

MUE 3451 CAH-MUSIC (1,1)
Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC (1,1)
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 3490 CAH-MUSIC (1,1)

MUE 3693 CAH-MUSIC (2,0)
Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring, M&S fee $2.00

MUE 3942 CAH-MUSIC (3,0)
Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, ESL 4000, ESP 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUE 4311 CAH-MUSIC (2,0)
Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4331 CAH-MUSIC (3,0)
Secondary Choral Methods I: PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332 CAH-MUSIC (3,0)
Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUE 4335 CAH-MUSIC (3,0)
Secondary Choral Methods II: PR: MUE 4331. Continuation of examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC (3,0)

MUE 4354 ED-T&L (3,0)

MUE 4393 CAH-MUSIC (2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4394 CAH-MUSIC (1,0)

MUE 4441 CAH-MUSIC (3,0)

MUE 4943 CAH-MUSIC (1,12)

MUE 5348C CAH-MUSIC (4,4)
K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12, Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC (2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC (2,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC (Variable)

MUG 3302 CAH-MUSIC (Variable)

MUH 2017 CAH-MUSIC (3,0)

MUH 2017H CAH-MUSIC (3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1960s to present, with emphasis on cultural and musical meaning. With Honors consent. Even Fall.

MUH 2019 CAH-MUSIC (3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2021 CAH-MUSIC (3,0)

MUH 2071C CAH-MUSIC (1,0)
World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures, including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC (3,0)
Music History and Literature I: PR: MUL 2014 and MUT 1122. History of Western European art music from Antiquity to 1750. Fall, Spring.

MUH 3212 CAH-MUSIC (3,0)
Music History and Literature II: PR: MUL 2014 and MUT 1122. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC (1,0)

MUH 4322 CAH-MUSIC (3,0)
Medieval and Renaissance Music: PR: MUL 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 540-1600. Even Fall.

MUH 4341 CAH-MUSIC (3,0)

MUH 4351 CAH-MUSIC (3,0)
Eighteenth-Century Music: PR: MUL 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC (3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of "C", 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC (3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC (3,0)
Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC (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 (3,0)
Music of the Baroque: PR: Graduate standing in music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC (3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC (3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC (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 (3,0)
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 (3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC (3,1)
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 (3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertories and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC (3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC (3,0)
### UCF Courses and Descriptions

#### Piano Literature I:
- **Course Code:** MUL 3400 CAH-MUSIC 2(1,1)
- **Description:** Piano literature from the 16th century

#### Piano Literature II:
- **Course Code:** MUL 4437 CAH-MUSIC 3(3,0)
- **Description:** UCF Courses and Descriptions

#### String Literature:
- **Course Code:** MUL 3444 CAH-MUSIC 1(1,0)
- **Description:** Guitar Ensemble: PR: C.I. Preparation and performance of music for small ensembles. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

#### Percussion Literature:
- **Course Code:** MUL 3453 CAH-MUSIC 1(0,3)
- **Description:** Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

#### Brass Literature and Pedagogy:
- **Course Code:** MUL 3483 CAH-MUSIC 1(0,2)
- **Description:** String Ensemble: PR: C.I. Open to all students. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

#### Woodwind Literature and Pedagogy:
- **Course Code:** MUL 3487 CAH-MUSIC 1(0,2)
- **Description:** Women’s Chorus: PR: C.I. Preparation and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

#### Wind Ensemble:
- **Course Code:** MUL 3328 CAH-MUSIC 1(0,5)
- **Description:** Symphony Orchestra: PR: Open to all students. Study and performance of music written for the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee $20.00

#### Jazz Ensemble:
- **Course Code:** MUL 3344 CAH-MUSIC 1(1,0)
- **Description:** Mallet Ensemble: PR: C.I. Preparation and performance of music for small ensembles. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

#### Percussion Ensemble:
- **Course Code:** MUL 3345 CAH-MUSIC 1(0,3)
- **Description:** Percussion Ensemble: PR: C.I. Preparatory and performance of music for percussion with mallets. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

#### Women’s Chorus:
- **Course Code:** MUL 3343 CAH-MUSIC 1(0,2)
- **Description:** Brass Ensemble: PR: C.I. Rehearsal and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

#### Wind Ensemble:
- **Course Code:** MUL 3343 CAH-MUSIC 1(0,2)
- **Description:** Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $35.00

#### Symphony Orchestra:
- **Course Code:** MUL 3341L CAH-MUSIC 1(0,3)
- **Description:** Mallet Ensemble: PR: C.I. Preparation and performance of music for small ensembles. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00
MUS 4674 CAH-MUSIC 3(3,0) Health and Wellness for the Performing Musician: Current knowledge of anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, & pedagogic applications. Even Spring.

MUS 4900 CAH-MUSIC 3(3,0) Music BA Capstone Project: PR: C.I. Self-designed project, under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4) Directed Experience: PR: C.I. and Junior standing. Special topics of study as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0) Recital Performance II: PR: Senior level applied music. Performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1004 CAH-MUSIC 3(3,0) Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall, Spring.

MUT 1121 CAH-MUSIC 4(2,3) Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, mode composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3) Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, mode composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC 4(2,3) Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, mode composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3) Music Theory and Musicianship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, mode composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0) Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(0,3) Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonies and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0) Orchestration: PR: MUT 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.

MUT 4401 CAH-MUSIC 3(3,0) Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3,0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and ways to write for these instruments in combination. Odd Spring.

MUT 5581 CAH-MUSIC 3(3,0) Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5544 CAH-MUSIC 3(3,0) Composition: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0) Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(3,0) Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 10(1,0) Secondary Trumpet: 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 10(1,0) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1213 CAH-MUSIC 10(1,0) 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 10(1,0) 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 10(1,0) 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.
UCF Courses and Descriptions

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 I: 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 3431 CAH-MUSIC 2-3(1,1) Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2-3(1,1) French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3433 CAH-MUSIC 2-3(1,1) Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1) Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2-3(1,1) Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. 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 1010 CAH-MUSIC 2(1,1) Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1) Jazz Piano II: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills, including sound concept, technique, literature, style, and heritage. 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 III: 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 III: 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 Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2225 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 IV: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1) Jazz Piano V: PR: MVJ 2223. Continuation of MVJ 2223. 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 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 4241 CAH-MUSIC 4(1,1) Jazz Bass IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1) Jazz Piano II: PR: MVJ 3232. Continuation of MVJ 3232. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1) Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1) Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5353C CAH-MUSIC 2(1,1) Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5354C CAH-MUSIC 2(1,1) Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, style and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5349C CAH-MUSIC 2(1,1) Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVK 1111 CAH-MUSIC 1(0,2) Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0,2) Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.
MVK 1211 CAH-MUSIC 1(0,1)  

MVK 1411 CAH-MUSIC 2(1,1)  
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121 CAH-MUSIC 1(0,2)  
Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

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.

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 5451 CAH-MUSIC 2(1,0)  
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1211 CAH-MUSIC 1(0,1)  

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 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)  
Harps 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, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4346 CAH-MUSIC 4(1,1)  
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 4442 CAH-MUSIC 4(1,1)  
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)  
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)  
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
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MVS 4445 CAH-MUSIC 4(1,1)
Harps: 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: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVW 1411 CAH-MUSIC 2(1,1)
Voice II: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1873 CAH-MUSIC 1(0,1)

MVW 2421 CAH-MUSIC 2(1,1)
Voice III: PR: MVW 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVW 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

MVW 3431 CAH-MUSIC 2-3(1,1)
Voice IV: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 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.

MVW 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVW 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVW 1211 CAH-MUSIC 1(0,1)

MVW 1212 CAH-MUSIC 1(0,1)
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NUR 3755L CON-NURS  2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN Program; CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834 and NUR 3834L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall, M&S fee $45.00


NUR 3805 CON-NURS  3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. Theories of professional practice for professional practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS  1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of group and professional writing skills, critical thinking and stress management principles, to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS  2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS  2(2,0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse among licensed health care professionals. Fall, Spring.


NUR 3936 CON-NURS  3(2,2) International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparison and analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS  3(3,0) Holistic Nursing: Explore lived experience of health-wellness illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4197 CON-NURS  3(3,0) Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN License, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS  4(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(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN Program; CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, 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. Focus on the gerontologic aspects related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS  3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN license, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS  3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the Nursing curriculum, and concurrent enrollment in NUR 4535L. NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS  2(0,6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing Interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS  4(0,12) Practicum in Community and Public Health Nursing: PR: NUR 3604, CR: NUR 4537; NUR 4627, 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 L CON-NURS  2(2,0) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum and concurrent enrollment in NUR 4454L, Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS  1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4454L; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS  3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS  3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.

NUR 4765 CON-NURS  3(3,0) Rehabilitation Nursing: Principles and Practice: PR: Admission to the BSN Program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS  3(3,0) Leadership and Management Principles: PR: RN 3855, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 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 4829H CON-NURS  3(3,0) Accelerated Transitioning into Professional Practice: PR: C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Fall, Spring.

NUR 4837 CON-NURS  3(3,0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.

NUR 4837H CON-NURS  3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors. Admission to the 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  Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS  3(3,0) Directed Research/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4924L CON-NURS  3(3,0) Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be counted in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS  4(0,4) Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; For Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area 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) Thesis or Project Works-Honors: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIOL  3(3,0) Oceanography: PR: CHM 2045C and CHM 2046, and a C (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.

OSE 3490 OPT-OPT  3(3,0) Nanophotonics: PR: PHY 2040C or C.I. Optical phenomena processes on nanometer scales and interactions with elements of physics & engineering. Occasional.
PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: (ECO 2013 or ECO 2023). Senior, minor or Senior Standing. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: PR: Junior Standing or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory and administrative decision-making. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0) Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0) Non-Profit Organizations: PR: Junior standing and have declared Non-Profit Minor or Certificate. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0) Resource Development in the Nonprofit Sector: PR: Junior standing and have declared Non-Profit Minor or Certificate. Examining the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0) Volunteer Management: PR: Junior status and have declared Non-Profit Minor or Certificate. Examining the nature of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0) Planning and Improvement for Public Organizations: PR: Junior Standing or C.I. Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0) Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0) Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0) Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0) Program Evaluation for Public and Non-Profit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit certificate or Public Administration major) or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0) Land Use and Environmental Planning: PR: PAD 3330 or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0) Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, social, and economic factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB 3(3,0) Community Resiliency & Sustainability: PR: (ECO 2013 or ECO 2023) or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4390 HPA-PUB 3(3,0) Hazard Mitigation and Preparedness: PR: (Junior standing and a declared EMHS minor) or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0) Emergency Management and Homeland Security: PR: (Junior Standing and a declared EMHS minor) or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0) Disaster Response and Recovery: PR: Junior Standing and a declared EMHS minor or C.I. The history, various operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4411 HPA-PUB 3(3,0) Public Personnel Administration: The theories and techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: PAD 3330 or C.I. Emphasis on the impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4450 HPA-PUB 3(3,0) Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services, including: privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: Introduction to the concepts, design, methodology, 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: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB 3-6(0,6) Public Administration Internship: PR: Junior Standing and Public Administration major. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.
UCF Courses and Descriptions

PAD 4948 HPA-PUB 3(2.0) Nonprofit Management Internship: PR: Junior standing; and enrollment in the nonprofit minor, and completion or concurrent enrollment in at least one credit hour of PAD 3930. Supervised internship to demonstrate AH identified competencies for students in American Humanities Centered Program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3.0) Ethics and Values in Public Administration: Examines ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5060 HPA-PUB 3(3.0) Administrative Practice in the Public Sector: The application of various theoretical concepts to the “real world” of public administration. Policy formulation and execution are examined through the case study mode. 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 leadership, 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 growth management, and planning methods, including needs assessment and graphic design. 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 regulation. 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 5807 HPA-PUB 3(3.0) Local Government Operations: Operational Functions of state, county, and city 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 degree, Nonprofit certificate or C.I. Study of government or 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 2102 HPA-HPA 2(2.0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAD 4754 HPA-PUB AFF 3(3.0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAD 4234 COS-BIOL 3(3.0) Zoo and Aquatic Management: PR: A "C" (2.0) or better in PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAD 5325 COS-BIOL 3(3.0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation in Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 COS-BIOL 3(3.0) Molecular Biology Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 3044 COS-BIOL 3(3.0) Principles of Ecology: PR: CHM 2045C or CHM 2041, and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044E 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 BSC 2010C, or C.I. Basic 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 BSC 2010C, or C.I. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes. 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 $28.00

PCB 3223 COM-M&M 3(3.0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunity therapy. Fall.

PCB 3233L COM-M&M 1(0.3) Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00

PCB 3343L COS-BIOL 2(5.0-6.15) Principles of Field Ecology: PR: BSC 2010C, PCB 3044 or C.I. Applied study of biodiversity, ecology and conservation through field trips, field research and/or lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3354 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 3355C COS-BIOL 2(1.1) 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 3522 COM-M&M 3(3.0) Molecular Biology I: PR: CHM 2111 and MCB 3025C or C.I. The general principles governing the structure and function of both prokaryotic and eucaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3.3) Human Physiology: PR: BSC 2010C, CHM 1132 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee $70.00


PCB 4028 COS-BIOL 3(3.0) Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.


PCB 4264 COM-M&M 3(3.0) Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4280 COM-M&M 3(3.0) Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4353 COS-BIOL 3(3.0) Florida Natural History: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Florida’s ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.

PCB 4514 COS-BIOL 3(3.0) Genetics II: PR: A minimum grade of "B" (3.0) in PCB 3063, or C.I. Advanced topics in genetics and epigenetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. Even Fall.
UCF Courses and Descriptions

PEL 2341 ED-CFCS 2(1,1)
Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-CFCS 2(1,1)
Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-CFCS 2(1,1)
Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3)
Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring.

PEM 2127C ED-CFCS 2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 ED-CFCS 2(1,1)
Strength Resistance Training: Study of fitness and stress development through resistance exercise. Fall, Spring.

PEM 2134C ED-CFCS 2(1,1)
Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-CFCS 2(1,1)
Aerobics: Appropriate rhythmic muscular toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2173 ED-CFCS 2(1,1)
Step Aerobics: Appropriate rhythmic muscular toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1)
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1)

PEM 2179C ED-CFCS 2(1,1)
Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, balance control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2)
Self Defense for Women and Men: Designed to provide students with self-defense skills. Fall, Spring.

PEM 5408C ED-CFCS 3(2,1)
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEO 2011 ED-CFCS 3(2,1)
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.

PEO 2031 ED-CFCS 3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement, and evaluate individual sports. Fall, Spring.

PEO 2623C ED-CFCS 2(1,1)
Officialing Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-CFCS 3(3,0)
Games Analysis: PR: Admission to the College of Education or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

PEO 3219 ED-CFCS 3(2,0)
Coaching Baseball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Occasional.

PEO 3324 ED-CFCS 3(2,1)
Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1)
Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-CFCS 3(3,0)
Coaching Basketball: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3644 ED-CFCS 3(2,1)

PEO 5645C ED-CFCS 3(2,1)

PET 2081 ED-CFCS 3(1,0)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005 ED-CFCS 3(3,0)
Introduction to Sport and Exercise Science: PR: BSC 2010C. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3087 ED-CFCS 3(3,0)

PET 3125 ED-CFCS 3(3,0)
Fitness and Weight Management: PR: Admission to Sport and Fitness Program, ZOO 3736C, PET 4215, PET 4312C (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0)
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

PET 3344C ED-CFCS 3(2,1)

PET 3361 ED-CFCS 3(3,0)
Nutrition and Metabolism in Sport and Exercise Science: PR: PET 3005, BSC 2101C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4500C, PET 4312C (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: ZOO 3736C or C.I. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(3,0)
Teaching Sports Skills I: PR: Admission to the College of Education or C.I. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education and allied fields. Fall, Spring.

PET 3940 ED-CFCS 3(3,0)
Internship I: Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking, Occasional.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4500C, PET 4312C (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4143 ED-CFCS 3(3,0)
Current Issues & Trends in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science undergraduate program. C.I. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.
Kinesiology/Biomechanics: PR: PET 3005, BSC 2010C, and ZOO 373C. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall, Spring.

PET 315C HPA-HP 3(2,2)
Biomechanics of Sport: PR: PHY 203C or PHY 2048C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 3451C ED-CFCS 3(2,1)
Exercise Physiology I: PR: PET 3005, BSC 2010C, and ZOO 373C. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, Spring.

PET 4401 ED-CFCS 3(3,0)
Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4550C ED-CFCS 3(2,1)
Assessment and Evaluation in Exercise Science: PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

PET 4552 ED-CFCS 3(3,0)
Exercise Prescription for Special Populations: PR: BSC 2010C and PET 4351C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, chronic disease, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 373C or ZOO 373RC and PCB 3703C. Junior standing. Open to all COHPA majors. Application and clinical application of fitness concepts in athletics. Spring.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Exercise Science program, or C.I. Develop effective instructional skills through planning, teaching, and assessing. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis, given to conditioning and leadership styles. Occasional.

PET 4823 ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4901 ED-CFCS 3(3,0)
Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program and completion of all specialization coursework. Enhances students’ oral and written presentation ability in issues and topics related to sport and exercise science. Fall, Spring.

PET 4925 ED-CFCS 6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/5 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graduated Standing. Spring.

PET 4926 ED-CFCS 9(0,0)
Sport and Exercise Science Practicum: PR: Overall GPA of 2.5. Senior status in Sport and Exercise Science program and C.I. Field experience in a sport and exercise science organization, association, or business. Graduated S/U. Fall, Spring.
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<td>PHI 2010</td>
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PHI 4341 CAH-PHIL 3(3,0) Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0) Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0) Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. 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 GER. 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 2010, 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 GER or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0) Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0) Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0) Critical Thinking: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

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.

PHI 5327 CAH-PHIL 3(3,0) Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neurosciences for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0) Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3020 CAH-PHIL 3(3,0) Philosophy of Love: PR: Junior standing and PHI 2010 or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examines the contributions of poststructuralist and neoanalytical approaches to cultural issues in sexuality and gender. Even Spring.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3401 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHP 3788 CAH-PHIL 3(3,0) Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.


PHT 3069L HPA-HP 2(0,4) Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 312L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: PR: PHT 3112, CR: PHT 312L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection, use of the skull model, and computer programs to facilitate learning. Occasional.

PHT 3122 HPA-HP 3(0,6) Clinical Kinesiology: CR: PHT 312L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122L HPA-HP 3(0,6) Clinical Kinesiology Lab: CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. Occasional.

PHT 3155 HPA-HP 2(1,0) Physiology of Therapeutic Exercise: PR: PHT 3269, PHT 315. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
<th>M&amp;S Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT 3155L</td>
<td>Physiology of Therapeutic Exercise Lab</td>
<td>CR: PHT 3155L. Lab course emphasizing the clinical application of exercise physiology.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 3259</td>
<td>Patient Care Skills</td>
<td>CR: PHT 3259. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 4222</td>
<td>Therapeutic Exercise I</td>
<td>CR: PHT 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 4230</td>
<td>Therapeutic Exercise II</td>
<td>CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5003</td>
<td>Foundations of Physical Therapy I</td>
<td>PR: Admission to the Physical Therapy program.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5005</td>
<td>Foundations of Physical Therapy II</td>
<td>PR: Foundations of Physical Therapy I. Psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5125</td>
<td>Clinical Kinesiology</td>
<td>CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5125L</td>
<td>Clinical Kinesiology Lab</td>
<td>CR: PHT 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications.</td>
<td>Occasional</td>
<td>$35.00</td>
</tr>
<tr>
<td>PHT 5218</td>
<td>Theories and Procedures I</td>
<td>PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5218L</td>
<td>Theories and Procedures I Lab</td>
<td>PR: CR Theories and Procedures I Lab. Course on the clinical applications of heat, cold, water, sound, and massage.</td>
<td>Spring.</td>
<td>$30.00</td>
</tr>
<tr>
<td>PHT 5240</td>
<td>Physical Assessment Lab</td>
<td>PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient. Incorporate a systems approach, utilizing screening, and patient problem solving.</td>
<td>Fall.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5240L</td>
<td>Physical Assessment Lab</td>
<td>PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient. Incorporate a systems approach, utilizing screening, and patient problem solving.</td>
<td>Fall.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5241</td>
<td>Therapeutic Exercises I</td>
<td>PR: CR Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction.</td>
<td>Spring.</td>
<td>$45.00</td>
</tr>
<tr>
<td>PHT 5241L</td>
<td>Therapeutic Exercise Lab I</td>
<td>PR: CR Therapeutic Exercise Lab I. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction.</td>
<td>Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5260</td>
<td>Patient Care Skills</td>
<td>CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training.</td>
<td>Fall.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5260L</td>
<td>Patient Care Skills Lab</td>
<td>CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training.</td>
<td>Fall.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHT 5718</td>
<td>Neurological Physical Therapy</td>
<td>CR: Neurological Physical Therapy Lab. Analysis of selected neuroromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented.</td>
<td>Occasional</td>
<td>$30.00</td>
</tr>
<tr>
<td>PHT 5718L</td>
<td>Neurological Physical Therapy Lab</td>
<td>CR: CR Neurological Physical Therapy Lab. Analysis of selected neuroromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented.</td>
<td>Occasional</td>
<td>$30.00</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>PR: MAC 2311C (or equivalent) with grade “C” (2.0) or better. Mechanics, Thermodynamics, fluids.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>PR: MAC 2311C (or equivalent) with grade “C” (2.0) or better. Mechanics, Thermodynamics, fluids.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>PR: MAC 2312 and PHY 2048C with grades “C” (2.0) or better. Electricity, magnetism, optics.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>PR: MAC 2312 and PHY 2048C with grades “C” (2.0) or better. Electricity, magnetism, optics.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>PR: MAC 1105C and MAC 1114C or equivalent.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2053H</td>
<td>Honors College Physics I</td>
<td>PR: MAC 1105C and MAC 1114C or C.</td>
<td>Honor of Honors. Mechanics, waves, thermodynamics.</td>
<td>Fall, Spring.</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics I</td>
<td>PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 2054H</td>
<td>Honors College Physics I</td>
<td>PR: PHY 2053H and consent of Honors. Fluids, electricity, and magnetism, optics, x-rays, radioactivity.</td>
<td>With Honors consent. Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>PR: MAC 2313 and PHY 2048C. Thermodynamics, oscillations, modern physics.</td>
<td>Fall, Spring.</td>
<td>$15.00</td>
</tr>
<tr>
<td>PHY 3110H</td>
<td>Physics for Engineers and Scientists III</td>
<td>PR: Permission of Honors and PHY 2048C. Same as PHY 3101 with honors-level content.</td>
<td>Occasional</td>
<td>$15.00</td>
</tr>
</tbody>
</table>
PHY 5140C COS-PHYS 3(3.2)
Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5255 COS-PHYS 3(3.0)
Physics of Fluids and Biofluids: PR: HY 3513, PHY 3323, and MAP 2302 or C.I. Ideal Fluids; Basic equations of fluid flow; Viscous flow, instability and turbulence; Thermal and mass transfer in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346 COS-PHYS 3(3.0)
Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5455 COS-PHYS 3(3.0)
Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524 COS-PHYS 3(3.0)

PHY 5606 COS-PHYS 3(3.0)
Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3.0)
Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Even Fall.

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.

PHY 5705 COS-PHYS 1(1.0)

PHY 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.

PHY 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 glasswork. Occasional. M&S fee $45.00

PHY 5846C COS-PHYS 3(3.3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS 3(3.0)
Selected topics in biophysics of macromolecules: PR: PHY 3011, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113 COS-PHYS 3(3.0)
Introduction to Theoretical Methods of Physics: PR: PHY 3102. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 COS-PHYS 3(3.0)

PHZ 3422 COS-PHYS 3(3.0)
Nonlinear Physics: PR: PHY 3101 or C.I. Physical phenomena occurring on length scale, including nano colliders, and nano transport. Occasional.

PHZ 3601 COS-PHYS 3(3.0)

PHZ 4041 COS-PHYS 3(3.0)
Attosecond Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. Occasional.

PHZ 4390 COS-PHYS 3(3.0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS 3(3.0)

PHZ 4434 COS-PHYS 3(3.0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5045 COS-PHYS 3(3.0)
Attosecond Laser Physics: PR: PHY 5066, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156 COS-PHYS 3(3.0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS 3(3.0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nucleons, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405 COS-PHYS 3(3.0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS 3(3.3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS 3(3.0)

PHZ 5437 COS-PHYS 3(3.0)
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS 3(3.0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS 3(3.0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas, Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PLA 3014 HPA-LS 3(3.0)
Law and the Legal System: PR: ENC 1102 and Sophomore Standing. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-LS 3(3.0)
Legal Research: PR: or CR: PLA 3014 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3155 HPA-LS 3(3.0)
Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3.0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3307 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 preparation, trial and appeal of torts cases. Fall, Spring.

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, Spring.

PLA 3309 HPA-LS 3(3.0)
Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS 3(3.0)
Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 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 4226 HPA-LS 3(3.0)
Advanced Trial Advocacy: PR: (PLA 4910 and Junior Standing) or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-LS 3(3.0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-LS 3(3.0)
Evidence: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.
PLA 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 4486 HPA-LS 3(3,0)
Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0)
Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues relevant to the cyber world. Odd Fall, Even Spring.

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. 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 4864 HPA-LS 3(3,0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admistrity 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 315S. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online class discussions, and legal research projects. 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)

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. 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: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS 3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3253 COS-POLS 3(3,0)
Contemporary Revolution and Political Violence: PR: POS 2041 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.
POS 3258 COS-POLS 3(3,0)  Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

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: 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 responsibility, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0)  Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0)  Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system and the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0)  Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups. An action committees, and the proliferation of interest organizations over the past quarter century. 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 3949 COS-POLS 0(0,8)  Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4036 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 U.S. national and international politics and policies. Occasional.

POS 4142 COS-POLS 3(3,0)  Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American communities. 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: POS 2041 or PSY 2012, 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.

PSY 3325  COS-PSYCH  3(3.0)  Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unverified beliefs about human behavior. Some methods are used to evaluate bizarre claims such as ESP, astrology, voodoo, mind control, and alien abduction. Occasional.


PSY 4025  COS-PSYCH  3(3.0)  The Psychology of Art: PR: or CR: ARH 2050 or ARH 2051, or any ART preface 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 4270L  COS-PSYCH  3(0.3)  Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee $15.00.

PSY 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 of Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605  COS-PSYCH  3(3.0)  History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology. In certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014  COS-POLS  3(3.0)  Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203  COS-POLS  3(3.0)  Environmental Politics: PR: ENC 1102 and Junior standing. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3204  COS-POLS  3(3.0)  Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of 'sustainability.' Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314  COS-POLS  3(3.0)  Minorities in American Politics: PR: POS 2011 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 on current 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 Junior standing. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323  COS-POLS  3(3.0)  Women and Public Policy: PR: POS 2041 or ENC 1102, or C.I. Public policies and processes that achieve a disparate impact on women and women's lives in the United States. Occasional.

PUP 4404  COS-POLS  3(3.0)  Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503  COS-POLS  3(3.0)  Government and Social Science: PR: ENC 1102. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510  COS-POLS  3(3.0)  Space Policy: PR: ENC 1102. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602  COS-POLS  3(3.0)  Politics of Health: PR: ENC 1102. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744  COS-POLS  3(3.0)  Government and Business: PR: ENC 1102. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931  COS-POLS  3(3.0)  Topics in Public Policy: PR: ENC 1102 or POS 2041 or C.I. Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUR 3004  COS-COMM  3(3.0)  Public Relations and Society: PR: One of the following: SPC 1608, SPC 1603, COM 1000, or C.I. The important role public relations has played in the development of contemporary society. Occasional.

PUR 3100  COS-COMM  3(2.1)  Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. Fall, Spring.


PUR 3912L  COS-COMM  4(0,12)  Collaborative Experimental Research Practicum: PR: Either SPC 1608, SPC 1603 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>College/Department</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED 4043</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Content Reading in Kindergarten through Grade 12; PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promoting practices. Fall, Spring.</td>
</tr>
<tr>
<td>RED 4311</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment; PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.</td>
</tr>
<tr>
<td>RED 4942</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Practicum for Assessment and Instruction of Reading; PR: RED 4519. Corequisite: Practicum I. Provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.</td>
</tr>
<tr>
<td>RED 5147</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Developmental Reading; PR: EDG 4323. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. Fall, Spring.</td>
</tr>
<tr>
<td>RED 5517</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Classroom Diagnosis and Development of Reading Proficiencies; PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.</td>
</tr>
<tr>
<td>RED 5948</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Practicum in Reading Assessment and Instruction; PR: RED 5517. Practicum requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.</td>
</tr>
<tr>
<td>RHE 3043</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Fundamentals of Real Estate; PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.</td>
</tr>
<tr>
<td>RHE 3433</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Real Estate Law; PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.</td>
</tr>
<tr>
<td>RHE 3614</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Environmental Issues for Real Estate; PR: RHE 3043, RHE 3433; open to majors or minors who require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.</td>
</tr>
<tr>
<td>RHE 4410</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Real Estate Appraisal and Valuation; PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis. Occasional.</td>
</tr>
<tr>
<td>RHE 4423</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Commercial Real Estate Finance; PR: FIN 3403C. Open to majors or minors who require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.</td>
</tr>
<tr>
<td>RHE 4424</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Residential Real Estate Finance; PR: FIN 3403D, open to majors or minors who require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.</td>
</tr>
<tr>
<td>RHE 4433</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Real Estate Investment Analysis: PR: FIN 3403C. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.</td>
</tr>
<tr>
<td>REI 4732</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.</td>
</tr>
<tr>
<td>REL 4933</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Advanced Topics in Real Estate: PR: REL 3020, REL 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.</td>
</tr>
<tr>
<td>REL 2000</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Introduction to Religious Studies: Introduction to the study of religions and the exploration of the phenomenon of religion and critical thinking about the question: What is religion? Fall.</td>
</tr>
<tr>
<td>REL 2300</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism; Judaism, Christianity, and Islam. Fall, Spring.</td>
</tr>
<tr>
<td>REL 3101</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Religion in Popular Culture: PR: REL 2000, REL 2300, or C.I. Exploration of the role of religion in popular culture and popular culture as non-traditional religion by means of various postmodern, theoretical perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.</td>
</tr>
<tr>
<td>REL 3111</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Religion and Philosophy Through Film: PR: ENC 1102 and PHIL 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It utilizes religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.</td>
</tr>
<tr>
<td>REL 3115</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Religion, Spirituality, and Popular Music: PR: REL 2300 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.</td>
</tr>
<tr>
<td>REL 3340</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Buddhist Thought: PR: HUM 2200 or REL 2300. The teachings of Buddhism and their contemporary applications. Odd Fall, Spring.</td>
</tr>
<tr>
<td>REL 3342</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Roots of Western Mysticism: PR: HUM 3435, HUM 3552, HUM 3553, HUM 4303, HUM 4554, PHIL 3100, or PHIL 3200. Ancient, medieval, and early modern European mysticism, and its influence on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.</td>
</tr>
<tr>
<td>REL 4110</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARTH 2050, ARTH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.</td>
</tr>
<tr>
<td>REL 4180</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
<td>Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.</td>
</tr>
</tbody>
</table>
REL 4180H CAH-PHIL 3(3,0) Honors Religion and Medicine: PR: ENC 1102H, Junior standing and Consent of Honors. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. Occasional.

REL 4901 CAH-PHIL 1(1,0) Portfolio: PR: Final semester as Humanities/Religious Studies major or C.I. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4101 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Religious Studies major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

RET 3026C HPA-HP 4(3,3) Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lectures and lab. Fall.

RET 3269L HPA-HP 4(3,3) Medical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(2,3) Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.


RET 3717C HPA-HP 3(3,0) Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.


RET 3885L HPA-HP 8(0,24) Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.


RET 4287 HPA-HP 3(3,0) Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4288 HPA-HP 3(3,0) Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.
RTV 4280C COS-COMM 4(3,1)
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $29.00

RTV 3283C COS-COMM 3(2,1)
Advanced Video Editing: PR: RTV 3200 and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3283C COS-COMM 3(2,1)
Production of Interactive Multimedia: PR: COS 1500, OR PR: RTV 4211, Advanced Principles of Visual Communication, Organizational and Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $7.00

RTV 3230C COS-COMM 3(3,0)
Advanced Principles of Visual Communication: PR: RTV 3211 or RTV Major - Production Specialization. Advanced electronic graphics techniques. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $20.00

RTV 3223C COS-COMM 3(2,1)
Lighting for Video: PR: RTV 3222C or RTV 3226C, and RTV Major - Production Specialization. Basic lighting techniques for studio and location shot, single and multi-camera video production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1)
Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production, including audio mixers, microphones, tape recorders, cameras, video switches, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1)
Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of class. Spring. M&S fee $15.00

RTV 3260C COS-COMM 4(3,1)
Single Camera Video Production and Editing: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integration of the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4211C COS-COMM 3(2,1)
Audio Production II: PR: RTV 3211C and RTV Major. Creating the sound design and multi-track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1)
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1)
Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integration of the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4281C COS-COMM 3(2,1)
Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4320C COS-COMM 4(1,3)
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production 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 4322C COS-COMM 3(2,1)
Advanced TV News: PR: RTV 4320C, 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 4403 COS-COMM 3(3,0)
Electronic Media, Technology, and Society: PR: CRT 3120, CRT 3210. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0)
Sports Programming in Electronic Media: PR: Either SPC 1608 or SPC 1600, CRT 3210, or CRT 3207; or C.I. Students will learn practices 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 4320C or CRT 4203 or CRT 4500. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 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, RTV 4700. 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: PR: RUS 2201 or equivalent. Introduces the student to Russian culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Occasional.

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,1)

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)

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)

SCC 3311 HPA-CJ 3(3,0)
Security Administration: Discussion of modern security administrations and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3316 HPA-CJ 3(3,0)

SCS 3310 ED-TL&L 3(3,0)
Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00.

SCS 4304 ED-CFCS 3(3,0)
Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a science discovery/design technology program for young children in an integrated, interactive curriculum. Fall.

SCS 4360 ED-TL&L 4(3,2)
Science Instructional Analysis: PR: EDG 4323 or C.I. Course Objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee $8.00.

SCS 4361 ED-TL&L 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Fall.

SCE 5325 ED-TL&L 3(3,0)
Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-8 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

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, man-made space flight, and space education curriculum. Occasional.

SLS 1501 ED-TL&L 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&M&M 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-TL&L 2(2,0)
Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 COS-PSYCH 3(3,0)
UCF Courses and Descriptions

SPA 4400 HPA-COM SCADIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717. 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 SCADIS 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 4474, SPA 3101, and SPA 4112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SCADIS 3(3,0) Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SCADIS 3(0.3) Undergraduate Clinical Practicum: PR: SPA 4440 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&S fee $45.00.

SPA 4555 HPA-COM SCADIS 3(3,0) Counseling in Communication Disorders: PR: SPA 4505 or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4588 HPA-COM SCADIS 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3716 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 SCADIS 3(3,0) Educational Implications of Deafness: PR: ASC 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SCADIS 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SCADIS 3(2,1) Capstone Course: PR: or CR: All required CSAD courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SCADIS 3(0.3) Community Internship: PR: SPA 4402 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SCADIS 3(3,0) Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554 HPA-COM SCADIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564 HPA-COM SCADIS 3(3,0) Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

SPB 3003 BA-BUS 3(3,0) Introduction to Sport Business Management: PR: Sophomore standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3,0) Ethics in Sport Business: PR: SPB 3003 with a “C” (2.0) or better. The ethics and moral issues in sport and their business applications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.

SPB 3603 BA-BUS 3(3,0) Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BUS 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. Analysis of business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4104 BA-BUS 3(3,0) Intercollegiate Sport Industry: PR: SPB 3003 with a “C” (2.0) or better. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.

SPB 4204 BA-BUS 3(3,0) Professional Sport Industry: PR: SPB 3003 with a “C” (2.0) or better. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304 BA-BUS 3(3,0) Sports Event and Facility Management: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4404 BA-BUS 3(3,0) Sport Business Law: PR: SPB 3003 with a “C” (2.0) or better. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4704 BA-BUS 3(3,0) Sport Business Strategy: PR: SPB 3003 with a “C” (2.0) or better. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804 BA-BUS 3(3,0) Sport Business and Media: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.


SPC 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 1-3(1-3.0) Debate Practicum: Training and participation in interscholastic debate. Grade of C or better required in the degree program a minimum of 3 times. Occasional.

SPC 3301 COS-COMM 3(3,0) Interpersonal Communication: PR: or CR: COM 3311, or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interator behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SPC 3425C COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SPC 3513C COS-COMM 3(1.2) Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1606, SPC 1603, 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, nonverbal communication, and paralinguistic. 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) Attitudes and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3110 ED-CFC 3(3,0) Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requires knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFC 3(3,0) Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFC 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-CFC 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 3005. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>SPN 4723</td>
<td>ED-CFCS Legal Issues in Sport and Exercise Science: PR, PET 3001 or 3002</td>
<td>3(3,0)</td>
<td>Emphasis on discussing the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.</td>
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<tr>
<td>SPN 5155</td>
<td>ED-CFCS Introduction to Sports Administration: PR: C.I.</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>SPN 5308</td>
<td>ED-CFCS Marketing and Promoting Sports and Fitness Programs: PR: C.I.</td>
<td>3(3,0)</td>
<td>Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.</td>
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<tr>
<td>SPN 5506</td>
<td>ED-CFCS Financial Issues in Sports and Fitness: PR: C.I.</td>
<td>3(3,0)</td>
<td>Examines basic financial concepts including annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.</td>
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<tr>
<td>SPN 1100C</td>
<td>CAH-LANG Civilization II: SPN 1120H or equivalent. Same as SPN 1120H with honors-level content. Occasional.</td>
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<tr>
<td>SPN 1120C</td>
<td>CAH-LANG Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.</td>
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<tr>
<td>SPN 1121C</td>
<td>CAH-LANG Elementary Spanish Language and Civilization II: PR: SPN 1121C or equivalent. Same as SPN 1121H with honors-level content. Occasional.</td>
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<tr>
<td>SPN 1121H</td>
<td>CAH-LANG Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent.</td>
<td>4(4,1)</td>
<td>Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.</td>
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<tr>
<td>SPN 1150C</td>
<td>CAH-LANG 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.</td>
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<tr>
<td>SPN 1170</td>
<td>CAH-LANG Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.</td>
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<tr>
<td>SPN 2200</td>
<td>CAH-LANG Intermediate Spanish Language and Civilization II: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.</td>
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<tr>
<td>SPN 2200H</td>
<td>CAH-LANG Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.</td>
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<tr>
<td>SPN 2201</td>
<td>CAH-LANG Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.</td>
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<tr>
<td>SPN 2240</td>
<td>CAH-LANG Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading to fluency and correctness in speaking at the intermediate level. Occasional.</td>
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<tr>
<td>SPN 2241</td>
<td>CAH-LANG Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.</td>
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<tr>
<td>SPN 2340</td>
<td>CAH-LANG 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.</td>
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<tr>
<td>SPN 2341</td>
<td>CAH-LANG Advanced Spanish for Native Speakers: FOC: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.</td>
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<tr>
<td>SPN 2511</td>
<td>CAH-LANG Modern Spanish Civilization Abroad: PR: SPN 1120C &amp; SPN 1112C. This intensive course will focus on modern Spanish culture using examples from present day society. Conducted in Spanish. Occasional.</td>
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<tr>
<td>SPN 3140</td>
<td>CAH-LANG Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.</td>
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<tr>
<td>SPN 3142</td>
<td>CAH-LANG Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.</td>
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<tr>
<td>SPN 3234</td>
<td>CAH-LANG Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.</td>
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<tr>
<td>SPN 3300</td>
<td>CAH-LANG Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.</td>
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<tr>
<td>SPN 3343</td>
<td>CAH-LANG Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.</td>
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<tr>
<td>SPN 3344</td>
<td>CAH-LANG Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.</td>
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<tr>
<td>SPN 3345</td>
<td>CAH-LANG Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.</td>
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<tr>
<td>SPN 3402</td>
<td>CAH-LANG Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native speakers. Odd Spring.</td>
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<tr>
<td>SPN 3420</td>
<td>CAH-LANG Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.</td>
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<tr>
<td>SPN 3512</td>
<td>CAH-LANG 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.</td>
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<tr>
<td>SPN 3670</td>
<td>CAH-LANG Advanced Spanish Oral Communication: PR: SPN 2240 or C.I. PR: SPN 2241 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.</td>
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<tr>
<td>SPN 3933</td>
<td>CAH-LANG 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.</td>
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<td>SPN 4410</td>
<td>CAH-LANG Advanced Spanish Conversation: PR: SPN 3760, SPN 3300, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.</td>
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<tr>
<td>SPN 4421</td>
<td>CAH-LANG Advanced Spanish Composition: PR: SPN 3760, 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.</td>
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<tr>
<td>SPN 4520</td>
<td>CAH-LANG 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.</td>
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<tr>
<td>SPN 4780</td>
<td>CAH-LANG 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.</td>
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<td>SPN 4800</td>
<td>CAH-LANG Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of 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.</td>
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<tr>
<td>SPN 4801</td>
<td>CAH-LANG Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.</td>
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<tr>
<td>SPN 5502</td>
<td>CAH-LANG 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.</td>
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</tbody>
</table>
Undergraduate Catalog 2012-2013
STA 1063C COS-STAT 3(2,1) Basic Statistics Using Microsoft Excel: Applications, Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distribution, 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, descriptive statistics, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3086 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 or (old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.


STA 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, pharmaceutical. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.
SYA 3110 COS-SOC 3(3,0)  
Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of man as a "sociable being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3400C COS-SOC 4(3,1)  
Applied Social Statistics: PR: SYG 2000 and one other course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C COS-SOC 4(3,2)  
Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC 4(3,1)  
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 4(3,2)  
Data Analysis: PR: SYA 4000 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 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 3700 COS-SOC 3(3,0)  
Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3800 COS-SOC 3(3,0)  
Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.

SYD 4020 COS-SOC 3(3,0)  

SYD 4510 COS-SOC 3(3,0)  
Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methodology in the relationships between human behavior and the environment. Odd Spring.

SYD 4514 COS-SOC 3(3,0)  

SYD 4810 COS-SOC 3(3,0)  
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.

SYD 4813 COS-SOC 3(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 relationship 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 interactions 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, 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 violence. Fall, Spring.

SYG 3000 COS-SOC 3(3,0)  
Contemporary Society: PR: SYG 2000 or SYG 2010 or C.I. Theories of the contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. Occasional.

SYG 3360 COS-SOC 3(3,0)  
Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYG 3410 COS-SOC 3(3,0)  
Patterns of Mental Health in Society: PR: SYG 2000 or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYG 3530 COS-SOC 3(3,0)  
Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. Occasional.

SYG 4100 COS-SOC 3(3,0)  
Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

SYG 4200 COS-SOC 3(3,0)  
Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYG 4250 COS-SOC 3(3,0)  
Education and Social Achievement: PR: SYG 2000 or C.I. 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.

SYG 4300 COS-SOC 3(3,0)  
Political Sociology: Sociological analysis of political and parapolitical groups; socioeconomic variables of voting behavior, power elites; societies and systems of government. Occasional.

SYG 4323 COS-SOC 3(3,0)  
Community and Diversity: PR: SYG 2000 and Junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYG 4400 COS-SOC 3(3,0)  
Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYP 3300 COS-SOC 3(3,0)  
Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYP 3400 COS-SOC 3(3,0)  

SYP 3510 COS-SOC 3(3,0)  
Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYP 3511 COS-SOC 3(3,0)  
Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYP 3520 COS-SOC 3(3,0)  

SYP 3530 COS-SOC 3(3,0)  
Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYP 3540 COS-SOC 3(3,0)  

SYP 3550 COS-SOC 3(3,0)  

SYP 3562 COS-SOC 3(3,0)  

SYP 3602 COS-SOC 3(3,0)  
Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYP 3630 COS-SOC 3(3,0)  
Popular Culture In Society: PR: Junior Standing or C.I. An analysis of the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.

SYP 3650 COS-SOC 3(3,0)  
SYP 4000 COS-SOC 3(3,0) Sociological Social Psychology: PR: SYG 2000 or C.I. 1000. An examination of social psychological problems and change, motivation, and decision-making in small groups as affected by social interaction and social processes. Occasional.

SYP 4004 COS-SOC 3(3,0) Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Social perception, attitude formation and sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 4300 COS-SOC 3(3,0) Social Movements and Revolutions: PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. Occasional.

SYP 4454 COS-SOC 3(3,0) Global Inequality and Society: PR: SYG 2000 or C.I. Theoretical and empirical examination of the sociological process of global stratification and the countervailing force of an emergent anti-globalization social movement. Occasional.

SYP 4514 COS-SOC 3(3,0) Patterns of Violence in Society: PR: SYG 2000 or SYG 2010 or C.I. Social roots, culture, circumstances, prevention, and control of violence. Occasional.

SYP 4521 COS-SOC 3(3,0) Crime Victims in Society: PR: SYG 2000, or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims. Occasional.

SYP 4530 COS-SOC 3(3,0) Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangs. Occasional.


SYP 4631 COS-SOC 3(3,0) Sociology Through Film: PR: SYG 2000 or AN 2000 or PSY 2012 or C.I. Developing students' sociological imagination by viewing, discussing, and analyzing films. Occasional.

SYP 4730 COS-SOC 3(3,0) Patterns of Aging in Society: PR: SYG 2000 or SYG 2010 or C.I. Sociological aspects of aging in America. Fall, Spring.

SYP 4732 COS-SOC 3(3,0) Minority Aging: PR: SYG 2000 or SYG 3700 or SYG 4730 or C.I. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians. Occasional.

SYP 5005 COS-SOC 3(3,0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYP 5525 COS-SOC 3(3,0) Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.

SYP 5566 COS-SOC 3(3,0) Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of the theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYP 5615 COS-SOC 3(3,0) Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

SYP 5738 COS-SOC 3(3,0) Seminar on the Welfare State and Aging: PR: Graduate standing or C.I. A sociological examination of old policies from a cross-cultural perspective. Occasional.

TAX 4001 BA-ACCT 3(3,0) Taxation of Business Entities and Transactions: PR: Junior standing, ACG 3131 with a grade of "C" (2.0) or better. Federal income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015 BA-ACCT 3(3,0) Advanced Tax Topics: PR: Graduate standing, TAX 4001 with a "C" (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 200 THE 200H CAH-THEA 3(3,0) Theatre Survey: Overview of the art and craft of the theatre. Restricted to non-majors. Fall, Spring.


THE 2020 CAH-THEA 3(3,0) Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. Fall.


THE 2050 CAH-THEA 3(3,0) Theatre Studies in Creative Drama: PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081CAH-THEA 0(1,2) Introduction to UCF Theatre: PR: THE 2020 or CR: THE 2020. Specific UCF Theatre Department production protocols and operations. Fall.

THE 2090L CAH-THEA 1(0,VAR) Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2304 CAH-THEA 3(3,0) Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 292L CAH-THEA 0(0,VAR) Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3006 CAH-THEA 3(3,0) Greece to Grease: Development of Theatre: PR: THE 2000 or any 2000-level History course or C.I. Not for Theatre Majors. Development of Western Theatre from the Ancient Greeks through the 1950s. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.


THE 3030 CAH-THEA 3(3,0) Musical Theatre History: PR: Grade of C (2.0) or better in THE 3000. Global perspective on the theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 3240 CAH-THEA 3(3,0) Musical Theatre Survey I: PR: Grade of C (2.0) or better required in THE 3200 or THE 3000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 4543</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activists’ impact on theatrical art forms. Occasional.</td>
</tr>
<tr>
<td>THE 4954</td>
<td>CAH-THEA</td>
<td>0(0,0)</td>
<td>Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>TPA 5205</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>American Theatre: PR: THE 3910, 1A or MA of MFA Theatre Graduate. Examination of performance and historical perspectives of American drama. Spring.</td>
</tr>
<tr>
<td>TPA 5215</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s programs or C.I. Theatre activists' impact on theatrical art forms and traditions of various countries with an emphasis on non-Western countries. Occasional.</td>
</tr>
<tr>
<td>TPA 5237</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience and various groups through the study of dramatic literature. Occasional.</td>
</tr>
<tr>
<td>TPA 5248</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. An chronological study of musical theatre from early Viennese operettas to the musicals of the modern age. Course will emphasize the work of composers, lyricists, and screenwriters as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.</td>
</tr>
<tr>
<td>TPA 5289</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.</td>
</tr>
<tr>
<td>TPA 5289</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Period Costumes, Architecture and Décor II: PR: Theatre 2028: Costumes, architecture and decor from the Renaissance to the present. Spring.</td>
</tr>
<tr>
<td>TPA 5385</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>TPA 5425</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.</td>
</tr>
<tr>
<td>TPA 5545</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre for Social Change: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists’ impact on theatrical art forms. Occasional.</td>
</tr>
<tr>
<td>TPA 5910</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Research Methods in Theatre: PR: MFA and MA in Theatre. Prospect knowledge, skills and techniques needed by students to conduct research into organization, styles, footnotes, and bibliographic forms. Fall.</td>
</tr>
<tr>
<td>TPA 5945L</td>
<td>CAH-THEA</td>
<td>1(0,20)</td>
<td>Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.</td>
</tr>
<tr>
<td>TPA 5946L</td>
<td>CAH-THEA</td>
<td>1(0,20)</td>
<td>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.</td>
</tr>
</tbody>
</table>
TPA 4250C CAH-THEA  2(2,2)  CADD for Theatre: PR: "C" (2.0) or better in TPA 2211, TPA 2211L, and TPA 2170C. Computer-aided drafting and design and its application for Theatre. Occasional. M&S fee $23.00

TPA 4251C CAH-THEA  2(2,2)  Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $43.00

TPA 4264C CAH-THEA  3(2,2)  Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3265C. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.

TPA 4290L CAH-THEA  1(0,VAR)  Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2200L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4384C CAH-THEA  3(3,4)  Advanced Topics in Technical Theatre: PR: C (2.0) or better in TPA 2211 or TPA 4265. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00

TPA 4400C CAH-THEA  3(3,0)  Theatre Management: PR: "C" (2.0) or better in THE 2000 or THE 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatrical productions. Additional emphasis placed on management theory and style. Fall.

TPA 4401C CAH-THEA  3(2,2)  Theatre Careers in Production: PR: B.F.A. Design/ Tech or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA  3(3,0)  Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPP 3173C CAH-THEA  3(3,3)  Design Concepts for Youth Theatre: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPP 3197L CAH-THEA  3(0,VAR)  Summer Theatre/Performance: PR: Audition/ Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 3251C 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 3252C CAH-THEA  3(3,0)  Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3251C. Advanced acting technique as it applies to musical theatre scene study. 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 lyric components. Max of 8 times. 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/ visualization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3315C CAH-THEA  2(2,1)  Movement for the Actor II: PR: C (2.0) or better in TPP 3310C. Reinforcement of the techniques of TPP 3310C. Fall.

TPP 3316C CAH-THEA  2(2,1)  Movement for the Actor III: PR: C (2.0) or better in TPP 3315C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3371C CAH-THEA  2(2,1)  Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3372C CAH-THEA  2(2,1)  Voice Production III: PR: "C" (2.0) or better in TPP 3371C. Emphasis on study of Shakespearean and heightened language. Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Code</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>TPP 4193L</td>
<td>CAH-THEA 1(0,VAR)</td>
<td>Theatre Participation-Performance II: PR: Theatre major or minor and C (2.0) or better in TPP 2101L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 3 times. Fall, Spring. M&amp;S fee $40.00</td>
</tr>
</tbody>
</table>
TTL 5380  CAH-LANG  3(3,0)  Computers and Technology for ESOL: PR: Graduate standing or consent of the instructor. Review of 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 the 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: Graduate standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940  CAH-LANG  3(3,0)  Issues in TEF: PR: Graduate status or senior standing or C.I. Prerogatives issues specifically related to TEF, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810  ECS-CECE  3(3,0)  Highways Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Topics such as traffic volumes, laying out alternative routes, designing of urban systems. 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. Topics such as traffic analysis and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. M&S fee $25.00.

TTE 5204  ECS-CECE  3(3,0)  Traffic Engineering: PR: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5256  ECS-CECE  3(3,0)  Traffic Operations: PR: TTE 3810 or C.I. Fundamentals and applications that describe traffic operations on highways and streets. Work on real life traffic operations project and report work in class. Fall.

TTE 5805  ECS-CECE  3(3,0)  Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835  ECS-CECE  3(3,0)  Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, structural design, computational aspects such as factors such as traffic configurations, environment, and economic. Occasional.

VIC 3001  COS-COMM  3(3,0)  Visual Communication: PR: Either SPC 1068, SPC 1600, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012  CAH-HIST  3(3,0)  World Civilization II: A typical 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 2022  CAH-HIST  3(3,0)  World Civilization II: Rise of modern civilization from 1500 to the present with emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H  CAH-HIST  3(3,0)  World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 4272  CAH-HIST  3(3,0)  Age of Atlantic Revolutions 1763-1826: PR: AMH 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015  CAH-WOM  3(3,0)  Introduction to Women's Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems surrounding 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 emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371  CAH-WOM  3(3,0)  Women and Leadership: PR: ENC 1102. Interdisciplinary and comparative perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460  CAH-WOM  3(3,0)  Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.


WST 3500  CAH-WOM  3(3,0)  Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522  CAH-WOM  3(3,0)  First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought from the late eighteenth century to the 1960s, through texts by First and Second Wave Feminists. Occasional.

WST 3561  CAH-WOM  3(3,0)  Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621  CAH-WOM  3(3,0)  Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002  CAH-WOM  3(3,0)  Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.


WST 4022  CAH-WOM  3(3,0)  Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.


WST 4349  CAH-WOM  3(3,0)  Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WST 4415  CAH-WOM  3(3,0)  Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multicultural perspective, combined with global feminist activism. Service learning component. Occasional.

WST 5347  CAH-WOM  3(3,0)  Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research exploring relationships among feminist theory, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601  CAH-WOM  3(3,0)  Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3710C  COM-M&M  3(1,4)  Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of dissections and materials (specimens). The primary student population should be pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00.

ZOO 3713C  COS-BIOL  5(3,6)  Comparative Vertebrate Anatomy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00.


ZOO 3733H  COM-M&M  4(3,3)  Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Consent. Spring.


ZOO 3744  COM-M&M  3(3,0)  Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 3755C  COM-M&M  4(3,1)  Introductory Histology: PR: PCB 3703C or ZOO 3733C or equivalent. Basic principles of tissue staining, techniques, microscopy, cellular structure and other basic concepts. An introduction to the formation and structure of the four basic human tissues: Epithelium, Connective, Muscle & Nervous. Familiarizes students with normal cells, tissues structure and ultrastructure imaging. Odd Fall, Odd Spring.
**UCF Courses and Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>ZOO 4205C</td>
<td>COS-BIOL</td>
<td>Human Clinical Embryology and Congenital Malformation</td>
<td>4(3,3)</td>
<td>PR: A&quot;C&quot; (2.0) or better in all the following: BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acellous, pseudocoelous, schizocoelous, and enterocoelous invertebrates. Occasional. M&amp;S fee $34.00</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>COS-BIOL</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4(2,6)</td>
<td>PR: A&quot;C&quot; (2.0) or better in all the following: BSC 2010C, BSC 2011C, PCB 3044, and PCB 3083, or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and fieldwork. Occasional. M&amp;S fee $85.00</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>COS-BIOL</td>
<td>Animal Behavior</td>
<td>4(4,0)</td>
<td>PR: A&quot;C&quot; (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>COS-BIOL</td>
<td>Comparative Anatomy</td>
<td>3(3,0)</td>
<td>PR: A&quot;C&quot; (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>COS-BIOL</td>
<td>Embryology/Development</td>
<td>5(3,4)</td>
<td>PR: A&quot;C&quot; (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&amp;S fee $22.00</td>
</tr>
<tr>
<td>ZOO 473C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4(3,1)</td>
<td>PR: ZOO 3733C with a B (3.0) or better. Basic and applied neuroanatomical and neuropathologic studies of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
</tr>
<tr>
<td>ZOO 4743H</td>
<td>COM-M&amp;M</td>
<td>Honors Clinical Neuroanatomy</td>
<td>4(3,2)</td>
<td>PR: ZOO 3733C and Honors consent. Basic and applied neuroanatomical and neuropathologic studies of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroscience</td>
<td>4(3,1)</td>
<td>PR: ZOO 3744 or ZOO 4743C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
</tr>
<tr>
<td>ZOO 4747H</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroscience Honors</td>
<td>4(3,1)</td>
<td>PR: ZOO 3744 or ZOO 4743C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics with Honors content. Spring.</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>COM-M&amp;M</td>
<td>Vertebrate Histology</td>
<td>4(3,3)</td>
<td>PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&amp;S fee $25.00</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>COS-BIOL</td>
<td>Ichthyology</td>
<td>4(2,6)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the fishing, their classification, evolution, and life histories. Occasional. M&amp;S fee $25.00</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>Herpetology</td>
<td>4(2,4)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&amp;S fee $60.00</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>COS-BIOL</td>
<td>Field Ornithology</td>
<td>3(0,6)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&amp;S fee $30.00</td>
</tr>
<tr>
<td>ZOO 5486</td>
<td>COS-BIOL</td>
<td>Mammalogy</td>
<td>4(4,0)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>COM-M&amp;M</td>
<td>Essentials of Neuroanatomy</td>
<td>4(3,3)</td>
<td>PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>ZOO 5748C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy</td>
<td>5(3,2)</td>
<td>PR: ZOO 3733C and/or ZOO 3744, or ZOO 4743C and/or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Fall.</td>
</tr>
<tr>
<td>ZOO 5749C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroscience</td>
<td>5(3,2)</td>
<td>PR: Admission to the M.S. in Biology, or Certificate in Conservation Biology, or Certificate in Conservation Biology, and/or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Odd Spring. M&amp;S fee $25.00</td>
</tr>
</tbody>
</table>
ALLEN, FRANK R., Associate Director for Administrative Services (1988), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)
ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)
ALLEN, KAY WILLIAMSON, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)
ALLGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)
ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)
ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)
ALTOMARE, DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)
AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M.A., Ph.D. (University of Illinois at Urbana-Champaign)
AMI, DEBRA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)
ANGEL, RICHARD A., Associate Professor of Communication (2010), B.A., M.A., Ph.D. (Florida State University)
APLENN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)
ARAYA, PAMELA, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Tennessee, Memphis)
ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (The George Washington University)
ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., M.B.A., Ph.D. (University of Florida)
AROFIAN, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington)
ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Associate Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)
ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1994), B.S., M.S. (Florida International University, C.E.C., C.C.E.)
ATKINSON, TOM, Assistant Professor of Education (2005), B.M.E., M.S.E., Ph.D. (Louisiana State University)
AYSUN, ULUC, Assistant Professor of Economics (2006), B.S., M.A. (University of California, Davis)
AZIMI, CYRUS, Professor of Electrical Engineering (1994), B.S., M.S., M.P.H. (University of Central Florida)
BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)
BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)
BAILOU, I., CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.
BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)
BAKER, CHEVELL, Assistant Professor (2006), Ph.D. (Texas Tech University)
BALKWILL, DAVID, Professor of Microbiology (2009), Ph.D. (Pennsylvania State University)
BALLANTYNE, JOHN, Professor of Chemistry (1998), B.S., M.S., Ph.D. (University of Pittsburgh)
ANGLEY, PATRICIA, Instructor of English (1992), B.A., M.A., Ph.D. (University of Iowa)
ANTHONY, AMANDA, Assistant Professor of Sociology (2011), B.A., M.S., Ph.D. (Florida State University)
BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D.
BARNICKEL, AMY, Instructor of Writing & Rhetoric (2010), B.A., M.A., Ph.D. (University of Central Florida)
BARONE, BRIAN, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)
BARRETT, AMY, Externship Coordinator and Instructor of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida)
BARROS-HERNANDEZ, CARLOS, Assistant Professor of Architecture (2011), B.Arch., M.Arch., Ph.D. (Massachusetts Institute of Technology)
BARTKEVICIUS, JOCELYN, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)
BASSIOUNI, MOSTAFA, Professor of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)
BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)
BASU, SAPTARSHI, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)
BATarseh, Issa E., Professor Department of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Central Florida)
BAUER, SHAUN, Visiting Instructor of Modern Languages (2012), Ph.D. (Tuane University)
BAYER, CYNTHIA A., Research Assistant, Professor (1995), B.S., Ph.D. (Syracuse University)
BAZ, GHADA, Instructor of Management (2011), B.A., M.B.A. (Georgia State University)
BEARDSLEY, DAVID, Courtesy Instructor of Psychology (2008), B.S.W., M.B.A.
BECK, CHRISTIAN, Visiting Instructor of English (2011), B.A., M.A., Ph.D. (Binghamton University)
BECKER, DEBORAH, Associate Faculty of Education (2001), B.A., M.S.Ed., Ed.D. (University of Central Florida)
BECKER, LYNN, Instructor of Management (1996), B.S., M.B.A. (University of Central Florida)
BECKMAN, JAMES A., Associate Professor and Department Chair of Legal Studies (2011), B.A., J.D., LL.M. (Georgetown University)

BEDWELL, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S. Ph.D. (University of Georgia)

BEHAL, AMAN, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Clemson University)

BEHZADAN, AMIR, Assistant Professor of Engineering (2009), B.E., M.Eng., Ph.D. (University of Michigan)

BEIDEL, DEBORAH C, Professor of Psychology (2007), M.S., M.Ed., Ph.D. (University of Pittsburgh)


BELFIELD, KEVIN D., Associate Professor of Physics (2000), Ph.D. (University of Maryland)

BELFORD, KATHLEEN, Professor of Mathematics and Secondary Joint Professor of Optics and MMAE (1988), B.S., Ph.D. (Syracuse University)

BELL, KATHLEEN, Associate Professor of Writing & Rhetoric (1991), B.S., M.Ed., Ph.D. (Arizona State University)

BENSON, CYNTHIA, Instructor of Political Science (1985), B.A., M.A. (Ohio University)

BERMAN, STEVEN L., Associate Professor of Psychology (2001), M.S., M.A., Ph.D. (Florida International University)

BERRY, WENDY, Instructor (2009), B.S., M.S. (Florida International University)

BERRY, MONISHA, Associate Professor of Education (2007), B.S., M.S., Ph.D. (University of North Carolina)

BHARDWAJ, PROFEDEP, Associate Professor of Marketing (1996), BE, MBA, Ph.D. (University of Toronto)

BHATTACHARYA, ANIKET, Associate Professor of Physics (2000), Ph.D. (University of Maryland)

BIDDLE, JEFFREY, Instructor (2010), B.A.S., M.A. (University of Central Florida)

BINDELL, JEFFREY B., Lecturer of Physics (2002), B.S., M.S., Ph.D. (Polytechnic Institute of Brooklyn)

BIRAINAH, KAREN L., Co-Director and Professor of Education (1985), B.A., M.A., M.Ed., Ph.D. (State University of New York at Buffalo)

BISHOP, CORRINE G., Assistant Librarian (2008), B.A., M.L.I.S. (Florida State University)

BLACKWELL, CHRISTOPHER, Assistant Professor, College of Nursing (2004), B.S.N., M.S.N., Ph.D. (University of Central Florida)

BLAIR, RICHARD, Assistant Professor of Chemistry (2007), B.S., M.S., Ph.D. (University of California at Los Angeles)

BLAIR, TIMOTHY R., Professor of Education (1991), B.S., M.S., Ph.D. (University of Illinois)

BLEDSOE, ROBERT L., Visiting Instructor, Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLENCKE, CARL, Instructor of Management (2006), A.B., M.B.A. (Monmouth University)

BLESSETT, BRANDI, Assistant Professor of Public Administration (2010), Ph.D. (Old Dominion University)

BLESSING, LEWIS, Instructor of Education (2005), B.A., M.S., Ed.S., Ph.D. (Curtin University)

BOARDMAN, LORI, Professor of Obstetrics and Gynecology (2008), M.D. (Columbia University)

BOGTCHER, L. ROBERT, Instructor of Management (2004), B.A., M.B.A. (Penn State University)

BOHOL, ROBERT M., Professor of Criminal Justice (1995), A.B., M.A., Ph.D. (Florida State University)

BOLONI, LANDISLAU, Associate Professor Department of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Purdue University)

BOOTE, DAVID N., Associate Professor of Education (2000), B.Ed., B.S.I., M.A., Ph.D. (Simon Fraser University, British Columbia, Canada)

BORDE, STEPHEN F., Associate Professor of Finance (1991), B.A., M.B.A., Ph.D. (Florida Atlantic University)

BOREMAN, GLENN D., Professor, School of Electrical Engineering and Computer Science and Secondary Joint Appointment as Professor, Mechanical, Materials, and Aerospace Engineering (1984), B.S., M.S., Ph.D. (University of Arizona), P.E. (Florida)

BORGON, ROBERT, Assistant Professor (2007), Ph.D. (University of Tennessee Health Science Center)

BORRERO, JOSE, Courtesy Assistant Professor of Surgery (2009), M.D. (University of Puerto Rico)

BOSSY-WETZEL, ELLA, Associate Professor (2007), Ph.D. (State University of New York)

BOTOROFF, TIMOTHY J., Head, Universal Orlando Foundation Library at Rosen and Assistant Librarian (2004), B.A., M.L.I.S. (University of Pittsburgh)

BOUGEOSI-SERRANO, ILEANA, Visiting Instructor of Spanish (2010), B.A., M.A. (University of South Florida)

BROZOBZA, LAURENT, Associate Professor of Music (2004), Diploma (Paris Conservatory)

BOWDON, MELODY A., Associate Professor of Writing & Rhetoric (1999), B.A., M.A., Ph.D. (University of Arizona)

BOWERS, CLINT, Professor of Psychology (1994), B.A., M.A., Ph.D. (University of South Florida)

BOYD, BELINDA, Associate Professor of Theatre (2002), B.S., M.F.A. (University of Louisville)

BOYD, TAMMY, Assistant Professor (2008), B.A., Ed.M., Ph.D. (University of Oklahoma)

BRADFORD, RALPH E., Instructor of Political Science (1998), B.A., M.A. (University of Central Florida)

BRAIN, PRISCILLA V., Instructor of Writing & Rhetoric (1984), B.A., M.A. (University of Central Florida)

BRASEL, NANCY, Instructor of Education (1999), B.S., M.Ed. (University of Central Florida)

BRAUN, BRADLEY M., Associate Professor of Economics (1996), B.S., M.A., Ph.D. (Tulane University)

BREITER, DEBORAH, Professor of Convention and Conference Management and Professor of Hospitality Management (2000), B.A., M.P.S., Ph.D. (University of South Carolina)

BRENNAN, JOSEPH P., Professor of Mathematics and Secondary Joint Professor, NanoScience Technology Center (2006), B.A., Ph.D. (University of Illinois at Urbana-Champaign)

BRENEMAN, TODD, Visiting Instructor of Religion and Humanities (2010), M.A., Ph.D. (Florida State University)

BREWER, THOMAS, Professor of Education (1996), B.A., M.A., Ph.D. (Florida State University)

BRICE, ROANNE, Academic Administrator (2004), B.A., M.A., Ph.D. (University of Central Florida)

BROUGHTON, MARK W., Associate Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)

BROWN, JAMES C., Instructor of Theatre (2001), B.F.A., M.F.A. (San Diego State University)

BROWN, TIMOTHY F., Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of South Carolina)

BRUECKNER, THOMAS, Lecturer of Physics (2004), M.S., Ph.D. (Montana State University)


BRUNSON, RICK, Instructor of Communication (2003), B.A., M.A. (University of South Florida)

BRYAN, MATTHEW, Instructor of Writing & Rhetoric (2009), B.A., M.F.A. (University of Central Florida)

BRYER, THOMAS, Assistant Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)


BUCKLEY, JULIE, Assistant Professor of Social Work (2007), B.A., MSW, Ph.D. (Florida State University)


BUNN, SUZAN, Internship Coordinator/Instructor of Hospitality Management (2006), B.A., M.S. (University of Central Florida)

BURDEN, JOE, Assistant Professor (2009), B.S., M.S., Ph.D. (Louisiana State University)

BURG, MARY ANN, Associate Professor of Social Work (2010), B.A., MSW, Ph.D. (University of Central Florida)

BURRELL, JASON, E., Instructor of SVAD (2002), B.A., M.F.A. (University of Cincinnati)

BUSBY, ANGELINE A., Bert Fish Eminent Chair and Professor, College of Nursing (1995), F.A.A.N., M.N., Ph.D. (University of Texas at Austin)

BUTLER, JOHN F., Associate Professor of Communication (1971), B.A., M.A., Ph.D. (University of Florida)

BUTLER, S. KENT, Associate Professor of Education (2007), B.A., M.A., Ph.D. (The University of Connecticut)

BUTTERFIELD, DAVID, Instructor of Economics (2003), B.S., M.S., A.B., M.A., Ph.D. (University of California, Berkeley)
CANNAROZZI, MARIA,
Chair of Biology (2003), B.S., M.D. (University of South Carolina)

CABRERA, CHERYL, Assistant Professor of Chemistry (2009), B.A., M.A., Ph.D. (Florida State University)

CALABRESE, MARK, Instructor of Physics (2004), B.S., M.S., Ph.D. (University of Central Florida), P.E. (Florida, Colorado)

CALESTANI, CRISTINA,
Assistant Professor of Biology (2003), Ph.D. (University of Parma)

CAMPBELL, JAMES, Associate Professor of English (1986), B.A., M.A., Ph.D. (University of Notre Dame)

CAMPAGNA, ANDREAS, Graduate Coordinator and Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)

CAMPINS, HUMBERTO, Professor of Economics (2009), M.F.A. (Savannah School of Art and Design)

CANNON, JOHN R.,
Professor of Pediatrics (2007), M.D. (Tufts University)

CASH, MASON, Associate Professor of Philosophy (2003), B.S., Dip. Hum. M. Phil. Ph.D. (University of Alberta)

CASMIER-PAZ, LYNN A.,
Associate Professor of Physics (1997), B.A., M.A., Ph.D. (University of Pittsburgh)

CASSANELLO, ROBERT V.,
Professor of History (2007), B.A., M.A., Ph.D. (Florida State University)

CASSISI, JEFFREY E.,
Associate Professor of Psychology (2007), M.A., Ph.D. (Florida University)

CATAS, NECATI,
Professor of Engineering, Associate Chair (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati), PE (Florida)

CATO, FARIDA M.,
Professor of English (2003), B.A., M.A. (University of Central Florida)

CAVALIERS, THOMAS,
Assistant Professor of History (2006), B.A., M.A., Ph.D. (University of Florida)

CAYL, KARL, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)

CHAKRABARTI, DEBOPAM,
Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Calcutta-Bose Institute)

CHAKRABARTI, RATNA,
Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)

CHANDLER, MICHAEL,
Professor of Aviation (2004), B.S., M.S., National (War College)

CHANDLER, ROBERT C.,
Director and Professor of Community Cohesion (2008), B.A., M.A., Ph.D. (University of Kansas)

CHANG, NI-BIN,
Professor of Engineering (2005), B.S.C.E., M.S.E., Ph.D. (Cornell University), P.E. (Texas)

CHARBA, JULIUS,
Associate Professor of Electrical Engineering (1969), Ph.D. (Washington State University)

CHASE, ARLEN F.,
Chair, University of Aerospace Studies (1984), B.A., Ph.D. (University of Pennsylvania)

CHASE, SISAN,
Associate Dean and Professor, Graduate Affairs, College of Nursing (2009), A.R.N.P., M.S.N., Ed. (Harvard University)

CHATTERJEE, MAINAK,
Associate Professor of Mechanical Engineering (2002), B.S., M.S., Ph.D. (University of Texas at Arlington)

CHEN, HONGHUI,
Associate Professor of Finance (2003), B.S., M.S., Ph.D. (Virginia Tech University)

CHEN, PO-JU,
Assistant Professor of Hospitality Management (2002), B.A., M.S., Ph.D. (The Pennsylvania State University)

CHEN, QUANFANG,
Professor of Engineering and Associate Professor of NanoScience Technology (2001), Ph.D. (Tsinghua University)

CHEN, RUAY-HUNG,
Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)

CHEN, REESE,
Chair of Professor of Science Ph.D. (University of Michigan)

CHEN, SUN,
Associate Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Maryland)

CHEN, TING-SHAN,
Professor of Science (2005), B.S., M.S., Ph.D. (University of California, Berkeley)

CHOW, LOUIS C.,
Assistant Professor of Mechanical Engineering (1996), B.S., M.S., Ph.D. (University of California, Berkeley)

CHRISTODULIDES, DIMITRIS N.,
Associate Professor of Optics (2002), B.S., Ph.D. (John Hopkins University)

CINTRON, ROSA,
Professor of Education (2006), B.A., M.A., Ph.D. (Florida State University)

CIRCE, DARLENE,
Instructor of Psychology (2001), B.S., M.S. (Nova Southeastern University)

CIUCHTA, MICHAEL P.,
Professor of Management (2010), B.A., M.B.A., Ph.D. (University of Wisconsin-Madison)

CLARK, JAMES,
Professor of History (1989), B.A., M.A., Ph.D. (University of Florida)

CLARK, M. H.,
Professor of Chemistry (2010), B.A., M.S., Ph.D. (University of Memphis)

CLAUSEN, CHRISTIAN A.,
Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)

CLEAVENGER, DEAN J.,
Assistant Professor of Mathematics (2007), B.A., M.B.A., Ph.D. (University of Mississippi)

CLEMENTS, TAYLOR,
Visiting Instructor (2004), B.A., M.A. (University of Florida)

COELLA, ROBERT,
Senior Instructor (2008), B.A., M.A., Ed.D. (Nova Southeastern University)

COFFEY, KEVIN,
Associate Professor of Marketing (2002), B.S., B.A., M.S., Ph.D. (MIT)

COHN, SHERYL,

COLBY, PETER W.,
Professor of Public Administration (1985), B.A., Ph.D. (Brandeis University)

COLDING, LINDA K.,
Associate Professor of Mathematics (1999), B.A., M.A., M.S.L.S., D.P.A. (University of Alabama)

COLE, ALEXANDER,
Associate Professor of Engineering (2003), Ph.D. (University of Medicine and Dentistry of New Jersey)

COLE, DWAYNE,
Associate Professor of Marketing (2011), B.S., M.A., MBA, Ph.D. (University of Florida)

COLE, JAMES,
Professor of Philosophy (2003), B.A., M.A., Ph.D. (University of Florida)

COLE, STEVEN,
Associate Professor of Communication (2003), B.A., M.A., Ph.D. (University of Florida)

COLON MENDOZA, ILENIA,
Assistant Professor of SVAD (2010), Ph.D. (Pennsylvania State University)

DURAN, BERNARD, Associate Professor of Science (1986), B.S., M.S., Ph.D. (University of Florida)

DURAND, HARRIET,
Professor of Psychology (1999), B.A., M.A., Ph.D. (University of California, Berkeley)

DYNES, DAVE,
Professor of Engineering (1999), B.S., M.S., Ph.D. (University of Florida)

DYSEN, JAMES,
Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley)

DZIEDZICZAK, JAMES,
Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley)
DOMBROWSKI, PAUL M., Professor of English
DOLLEY, AMY, Instructor of Sociology (2010), B.A., M.A., Ph.D. (University of Central Florida)
DOTSON, DENISE LEE, Assistant Librarian (2008), B.A., M.L.I.S. (University of South Florida)
DOUGLASS, SHARON E., Associate Professor of Health Management & Informatics (1980), B.S., M.S. (University of New York at Buffalo)
DRAVES, KRISANN, Professor of Psychology (2008), B.A., M.L.I.S. (University of Central Florida)
DREILINGER, GILLIAN, Assistant Professor of Communication Sciences and Disorders (1980), B.S., M.S. (University of Central Florida)
DREILINGER, VERONICA, Instructor of Education (2006), A.R.N.P., M.S.N. (University of South Florida)
DUCHEMNE, ALFRED, Associate Dean of the Burnett Honors College of Nursing (2002), B.S., M.S., Ph.D. (University of Central Florida)
DUKE, JEFF, Instructor of Education (2002), B.S., M.S., Ed.D. (Florida State University)
DULOP-PYLE, LORI L., Instructor of Mathematics (1996), B.A., M.S. (University of Central Florida)
DUNN, MICHAEL E., Associate Professor of Psychology (1996), B.S., Ph.D. (University of South Florida)
DUNN, STACEY T., Associate Professor of Psychology (1996), B.A., Ph.D. (University of South Florida)
DUPRAS, TOSHA L., Associate Professor of Anthropology, Assistant Chair and Graduate Coordinator (1999), B.A., M.S., Ph.D. (McMaster University)
DUPUIS, MARTIN, Associate Professor of Political Science and Associate Dean of the Burnett Honors College (2006), B.A., M.A., J.D., Ph.D. (University of Southern California)
DURANCEAU, STEVEN J., Associate Professor of Engineering (2007), B.S., M.S., Ph.D. (University of Central Florida, P.E. (Florida)
DURHAM, BARBARA A., Accounting (2003), B.S., M.P.A. (Georgia State University)
DUSSEAU, MICHELLE, Instructor of Communication (2005), B.A., M.A. (Rollins College)
DUTKAY, DORI, Assistant Professor of Mathematics (2006), Ph.D. (University of Iowa)
Dwyer, Peggy D., Associate Professor of Accounting (1993), B.A., Ph.D. (University of Missouri-Columbia)
DZIEGIELWSKI, SOPHIA, Interim Director and Professor of Social Work (2010), B.A., MSW, PhD (Florida State University)
EASTEP, MARY ANN, Coordinator Undergraduate Studies, Internship Coordinator and Instructor of Criminal Justice (1996), B.A., M.S., Ph.D. (Florida Atlantic University)
EASTEP, RICHARD, Secondary Joint Appointment EECS (2006), Ph.D. (John Hopkins University)
EBERT, STEVEN, Associate Professor, Program Director of Biomedical Sciences Ph.D. (2005), Ph.D. (Ohio State University)
EDWARDS, OLIVER W., Associate Professor of Education (2003), B.A., M.Ed., Ed.S., Ed.D., Ph.D. (University of Florida)
EFFTHIMIOU, COSTAS, Associate Professor of Physics (2006), Ph.D. (Cornell University)
EHREN, BRENDA, Professor of Communication Sciences and Disorders (2007), B.A., M.S., Ed.D. (Florida Atlantic University)
EHREN, TOM, Director of Clinical Education and Professor of Communication Sciences and Disorders (1989), M.S. (University of South Florida)
EISLER, ANDREW, Lecturer School of Electrical Engineering and Computer Science (2007), B.A., M.S., Ed.S. (Nova Southeastern University)
ELLIS, E. TAYLOR, Associate Dean, Undergraduate Programs, and Associate Professor of Business Administration (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)
ELSHEIMIR, SETH R., Associate Professor of Chemistry (1985), B.S., Ph.D. (University of Florida)
ELSHEENAWY, AHMAD K. M., Graduate Coordinator, Professor of Engineering (1990), B.S., M.S., M.Eng., Ph.D. (Pennsylvania State University)
ERICKSON-RUTHERFORD, Instructor of Education (2008), B.A., M.A., Ph.D. (University of Florida)
ESTEVEZ, ALVARO, ASSOCIATE PROFESSOR (2010), Ph.D. (UNIVERSIDAD DE BUENOS AIRES)
ETHRIDGE, STEPHEN, Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)
EVANS, DOUG, Instructor of Humanities (1998), B.A., M.A., Ph.D. (Florida State University)
EVERETT, JR., ROBERT M., Associate Professor of Education (1990), B.S., M.S., Ph.D. (University of Southern Mississippi)
EZELL, DAN, Associate Professor of Education (1997), Ed.D (University of Alabama)
FABEY, DINA A., Instructor of Spanish (1994), B.A., M.A. (University of South Carolina)
FABIANIC, DAVID A., Professor of Criminal Justice (1997), B.A., M.S., Ph.D. (University of Iowa)
FAHIM, AZZA, Lecturer School of Electrical Engineering and Computer Engineering (2009), B.S., M.S., Ph.D. (University of Iowa)
FALLEN, THOMAS J., Instructor of Health Management & Informatics (1996), B.S., M.A. (Webster University)
FANG, JIYU, Associate Professor of Engineering (2008), Ph.D. (Southeastern University)
FARCAU, BRUCE, Adjunct, Political Science (2007), B.A., M.A., Ph.D. (Georgetown University)
FARLESS, PATRICIA, Instructor of History (1997), B.A. (University of Central Florida)
FATHPOUR, SASAN, Assistant Professor of Optics and Secondary Joint Professor Department of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Michigan)
FAUTH, JOHN E., Associate Professor of Biology (2003), Ph.D. (Duke University)
FEDORKA, KENNETH M., Assistant Professor of Biology (2005), B.S., Ph.D. (University of South Carolina)
FELDHIEG, MARY ANN, Interim Chair, Associate Professor of Public Administration (1997), B.S.N., M.S.N., Ph.D. (Florida Atlantic University)
FENTON, JAMES, Director of FSEC and Professor of Engineering (2005), Ph.D. (University of Illinois, Urbana-Champaign)
FERREZ, JOSE B., Dean, College of Arts & Humanities, and Pegasus Professor of History and Spanish (1981), B.A., M.A., Ph.D. (Florida State University)
FERNANDEZ-VALLE, CRISTINA, Associate Professor (1995), Ph.D. (University of Miami)
FINCH, RANDY, Associate Professor of Film (2005), B.A., J.D. (Fordham University School of Law)
FINE, TERRI S., Professor of Political Science (1998), B.A., M.A., Ph.D. (University of Connecticut)
FIORE, STEPHEN, Associate Professor of Cognitive Sciences (1998), B.S., B.A., M.S., Ph.D. (University of Pittsburgh)
FISHER, APRIL, Instructor of Public Administration (2011), MCRP (Clemson University)
FISHER, WILLIAM P., Darden Eminent Scholar in Restaurant Management and Professor of Hospitality Management (2001), B.S., M.B.A., Ph.D. (Cornell University)
FJELSTUL, JILL, Assistant Professor of Hospitality Management (2005), B.A., M.A., Ed.D. (University of Central Florida)
FLAGG, JAMES R., Instructor of Legal Studies (1996), B.S.A., J.D., LLM. (University of Denver)
FLAMMIA, MADELYN, Associate Professor of English (1990), B.A., Ph.D. (Rutgers University)
FLINT, MICHAEL W., Instructor of Criminal Justice (2004), B.A., M.S. (University of Central Florida)
FLUSIYAN, ELENA, Lecturer of Physics (2002), Ph.D. (USSR Academy of Science)
FLORY, DAVID, Adjunct Instructor (2003), Ph.D. (Wake Forest University)
FOLGER, ROBERT G., Professor of Management (2003), A.B., M.A., Ph.D. (University of North Carolina-Chapel Hill)
FOLSE, KEITH S., Professor of TESOL (1999), B.A., M.A., Ph.D. (University of South Florida)
FOOKES, BARRY G., Professor of Chemistry (1997), B.S., Ph.D. (Brunel)
FORD, CAMERON, Associate Professor of Management (1997), B.S., Ph.D. (Pennsylvania State University)
FORD, JASON A., Associate Professor of Sociology (2002), B.A., M.A., Ph.D. (Bowling Green State University)
FORD, ROBERT E., Instructor of Criminal Justice (1999), B.A., M.A., Ph.D. (University of Illinois)
FOROOSH, HASSAN, Associate Professor School of Electrical Engineering and Computer Science (2002), B.S., M.S., PhD (Institute National dela Recherche)
FOSTER, AMY, Associate Professor of History (2005), B.A., M.A., Ph.D. (Auburn University)
UCF Faculty

FOTTLER, MYRON D., Professor and Executive Director of Health Services Administration Program (1999), B.S., M.B.A., Ph.D. (Columbia University)

FOUTY, H. EDWARD, Lecturer of Psychology (2007), M.S., Ph.D. (University of New Mexico)

FRANCIS, MADISON K., Professor of SVAD (1996), B.F.A (Cleveland Institute of Art)

FRAZEE, DONNA, Instructor of Education (2002), B.S., M.A. (University of Central Florida)

FRAZER, ANDREW, Lecturer of Chemistry (2006), B.S., Ph.D. (University of Hertfordshire, UK)

FRENCH, SCOT, Associate Professor of History (2011), B.A., M.A., Ph.D. (University of Virginia)

FRISKICS, JON, Instructor of SVAD (2005), B.S., M.S. (University of Central Florida)

FRITZSCHE, BARBARA, Associate Professor of Psychology (1990), B.S., M.A., Ph.D. (University of South Florida)

FRUMKIN, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

FRYE, MELISSA, Assistant Professor of Finance (1999), B.S., Ph.D. (Georgia Institute of Technology)

GALLAGHER, SHANA, Professor of Philosophy and Secondary Joint Professor of Texts and Technology (2003), B.A., M.A., M.A., Ph.D. (Bryn Mawr College)

GAMMONLEY, DENISE, Associate Professor of Social Work (2003), B.S., M.S.W., Ph. D., L.C.S.W. (University of North Carolina)

GANNON, BARBARA, Assistant Professor of History (2010), B.A., M.A., Ph.D. (Pennsylvania State University)

GARASI, MICHAEL, Instructor of Music (2011), B.M., M.M. (Cleveland Institute of Music)

GARCIA, MARTHA, Associate Professor of Spanish (2005), B.A., M.A., Ph.D. (Vanderbilt University)

GARCIA, NORA LEE, Associate Professor of Music (1996), B.M., M.M., D.M.A. (University of Miami)

GATCHEV, VLADIMIR, Associate Professor of Finance (2005), B.S., M.S., Ph.D. (Tulane University)

GAU, JACINTA, Assistant Professor of Criminal Justice (2011), Ph.D. (Washington State University)

GAUDNEK, WALTER, Professor of SVAD (1970), M.A., Ph.D. (New York University)

GAUSE, JR., J. RICHARD, Associate Librarian (1998), B.S., M.B.A., M.L.S. (Florida State University)

GAY, DAVID, Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (Duke University)

GAY, KIRK, Instructor of Music (2005), B.M., M.M. (Cleveland Institute of Music)

GEIGER, CHERIE L., Professor of Chemistry (1996), B.S., Ph.D. (University of South Florida)

GEIGER, CHRISTOPHER, Assistant Professor of Engineering (2004), Ph.D. (Purdue University)

GEIGER, VANCE, Instructor of Anthropology (1994), B.A., M.A., Ph.D. (University of Florida)

GENNARO, ROBERT, Professor Emeritus (1970), Ph.D. (Texas A&M University)


GEORGIOPoulos, MICHAEL, Professor Department of Electrical Engineering and Computer Science (1986), D.I.P.L., M.S., Ph.D. (University of Connecticut), P.E. (Greece)

GERKING, SHELBY, Professor of Economics (2001), B.A., M.B.A., M.A., Ph.D. (Indiana University)

GERMAN, DEBORAH, Dean, College of Medicine and Professor of Internal Medicine (2008), M.D. (Harvard University)

GERSTEIN, MARK, Associate Professor of Film (2000), B.A. (University of Chicago)

GESQUIERE, ANDRE J., Associate Professor of Nanoscience Technology and Joint Nanoscience Professor of Chemistry (2005), B.S., Ph.D. (University of Leuven, Belgium)

GHIASINEJAD, SHAHRAM, Lecturer of Psychology (2008), B.S., M.A., Ed.D. (University of Florida)

GIBB, W. ERNEST, Assistant Professor of Economics (1987), B.S., M.B.A., M.A., Ph.D. (Rutgers University)

GIBSON, JANE, Professor of Pathology (2008), Ph.D. (University of Florida)

GISS, SALLY ANN, Instructor of Communication Sciences and Disorders (2000), B.A., M.A., J.D., Ph.D. (University of Florida)

GILKESON, JAMES H., Associate Professor of Finance (1994), B.S., M.S.M., Ph.D. (Duke University)

GILL, MICHELE G., Associate Professor of Education (2002), B.A., M.A.E., Ph.D. (UNIVERSITY OF FLORIDA)

GILLIAM, AMY, Adjunct Instructor (2007), Ph.D. (University of Arizona)

GIORDANO, PAUL, Chair and Neil R. Euliano Professor of Italian (2004), B.A., M.A., Ph.D. (Indiana University)

GLYSON, FRANCOIS-XAVIER, Assistant Professor of English (2011), Licence-es-Lettres, Post Graduate Certificate, Ph. D. (Lancaster University)

GOLDSWATER, PAUL M., Associate Professor of Accounting (1989), B.Commm., B.A. M.B.A., Ph.D. (Louisiana State University-Baton Rouge)

GOMEZ, FERNANDO J., Professor School of Electrical Engineering and Computer Science (1981), B.A., M.A., Ph.D. (Ohio State University)

GOMRUD, MARY ELLEN, Instructor of Writing & Rhetoric (2002), B.A., M.A. (University of Central Florida)

GONG, XUN, Assistant Professor Department of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Michigan-Ann Arbor)

GONZALEZ, AVELINO J., Professor Department of Electrical Engineering and Computer Science (1988), B.S.E.E., M.S.E.E., Ph.D. (University of Pittsburgh), P.E. (Florida)

GONZALEZ, JOSE I., Visiting Instructor of Spanish (2009), B.A., M.A. (Ohio University)


GOODMAN, STEPHEN H., Chair and Associate Professor of Management (1984), B.S., M.B.A., Ph.D. (Pennsylvania State University)

GORDON, ALI, Assistant Professor of Engineering (2006), B.S., M.S., Ph.D. (Georgia Tech.)

GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Arkansas)

GORMAN, LAUREL, Assistant Professor of Pharmacology (2009), Ph.D. (Louisiana State University)

GOU, JINHUA, Associate Professor of Engineering (2007), Ph.D. (Florida State University)

GRAHAM, EMILY, Visiting Assistant Professor of History (2009), B.A., M.Litt., Ph.D. (University of St. Andrews)

GRAHAM, RITA, General Education Coordinator and Instructor of Communication (2003), B.A., M.A., Ph.D. (University of Florida)

GRAJEDA, ANTHONY, Associate Professor of English (2001), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee)

GRAUERHOLZ, ELIZABETH, Professor of Sociology (2005), B.A., M.A., Ph.D. (Indiana University)

GRAY, DAVID, Capt., USAF, Assistant Professor of Aerospace Studies (2008), B.A. (George Mason University)

GREENWOOD, ANGELA, Instructor of Communication Sciences and Disorders (2006), B.A., M.A. (University of Central Florida)

GREGG, PAUL, Instructor of Finance (2004), B.S.B.A., M.S. (University of Central Florida)

GRESHAM, REGINA, Associate Professor of Education (2003), B.S., M.A., Ed.S., Ph.D. (University of Alabama)

GRIFFITHS, BARRY, Instructor of Mathematics and Math Lab Director (2002), B.Sc., M.S., M.A. (University of Florida)

GROFF, AMANDA, Instructor of Anthropology (2009), B.A., M.A. (University of Central Florida)

GROSS, ARISTA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)

GRULLA, RICHARD, Lecturer, FIA (2008), B.A., M.S. (University of Central Florida)

GUHA, ARUP, Lecturer School of Electrical Engineering and Computer Science (1989), B.S., M.S., University of Wisconsin)

GUHA, RATAN K., Professor School of Electrical Engineering and Computer Science (1980), B.S., M.S., Ph.D. (University of Texas)

GUIMOND, MARY, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Florida)

GULDI, MELANIE, Assistant Professor of Economics (2006), B.S., M.A., Ph.D., University of California, Davis

GUNDY, CYNTHIA, Instructor of Marketing (2000), B.S., M.B.A. (University of Central Florida)

GUNTER, GLENDA, Associate Professor of Education (1996), B.S., M.A., Ph.D. (Mississippi State University)

HACIOMEROGLU, ERHAN, Assistant Professor of Education (2007), B.S., M.S., Ph.D. (Florida State University)

HADRKA, DARLENE, Research Associate, SVAD (2005), B.A., M.F.A. (University of California at Los Angeles)

HAGAN, DAVID J., Associate Dean for Academic Programs & Professor of Optics (1987), B.S., Ph.D. (Herkott-Watt University)

HAGEDORN, W. BRYCE, Assistant Professor of Education (2007), Ph.D. (The University of North Carolina at Greensboro)

HAGEN, SCOTT C., Associate Professor of Engineering (1997), B.S.E., Ph.D. (University of Notre Dame), P.E. (Florida)

HAHS-VAUGHN, DEBBIE, Associate Professor of Education (2003), B.A., M.B.A., M.S., Ph.D. (The University of Alabama)
HALL, JEROME, Assistant Professor of Military Science (2009).
HALL, RICK, Research Associate, FIEA (2005). B.S. (Penn State)
HALL, ROBERT, M., Associate Professor of Writing & Rhetoric (2011). B.A., M.A., Ph.D. (University of Louisville)
HALL, SHELLEY, Instructor of Social Work (2009). BSW, MSW (Florida State University)
HAMANN, KERSTIN, Assistant Professor of Writing & Rhetoric (2006). Ph.D. (University of Central Florida)
HAM, CHAN HO, Associate Professor of Communication Sciences and Disorders (2011), B.S., M.S., Ph.D. (University of Central Florida)
HAMPTON, MARCYE S., Assistant to the Director, School of Accounting and Instructor of Accounting (2004). B.S., M.B.A. (University of Central Florida)
HAMPSON, MICHAEL D., Professor of Chemistry and Director of Interdisciplinary Studies (1981). B.S., Ph.D. (Texas Tech University)
HAN, DEGUANG, Professor of Mathematics (1998). M.S., Ph.D. (Texas A&M University)
HANDBERG, ROGER B., JR, Professor of Political Science (1972). B.A., Ph.D. (University of North Carolina)
HANSON, KENNETH, Associate Professor of Judaic Studies (2004). B.A., Ph.D. (University of Texas, Austin)
HARA, TADAYUKI, Associate Dean of Administration and Finance, Associate Professor of Hospitality Management (2005). B.S., M.S., MBA, MPS, Ph.D. (Cornell University)
HARALAMBOUS, MICHAEL, Assistant Professor Department of Electrical Engineering and Computer Science (1979). B.S., M.S., PhD (George Washington University)
HARPER, JAMES K., Assistant Professor of Chemistry (2011). B.S., M.S., Ph.D. (University of Utah)
HARRINGTON, JOSEPH, Associate Professor of Physics (2006). B.S., Ph.D. (Massachusetts Institute of Technology)
HARRIS, CHRISTOPHER, Associate Professor of Film (2001). B.A., M.F.A. (School of the Art Institute of Chicago)
HARRIS, ELIZABETH, Instructor of Biology (2004). B.A., Ph.D. (Louisiana State University)
HARRIS, LANI, Professor of Theatre (1997). B.A., M.F.A. (University of Southern California)
HARRIS, MARY BETH, Associate Professor of Social Work (2006). M.S.W., Ph.D., L.C.S.W. (University of Washington)
HARRISON, C. KEITH, Associate Professor of Sport Business Management (2006). B.S., M.B.A. (University of Southern California)
HARRISON II, RICHARD H., Associate Librarian (2001). B.A., M.S. (Swarthmore College)
HARVEY, JAMES E., Associate Professor of Engineering & Optics (1990). A.B., M.S., Ph.D. (Arizona State University)
HASTINGS, SALLY, Associate Professor of Communication (2005). B.A., M.A., Ph.D. (University of Massachusetts)
HAYES, B. GRANT, Chair and Professor of Education (1999). B.A., M.Ed., Ed.S., Ph.D. (University of South Carolina)
H A Z L E T T - K N U D S E N, INSTRUCTOR OF SOCIAL WORK (2011). B.S.W., MSW (University of Central Florida)
HE, XIN, Associate Professor of Marketing (2004). B.E., M.B.A., Ph.D. (University of Pittsburgh)
HEAD, DAVID, Visiting Assistant Professor of History (2010). B.A., M.A., Ph.D. (State University of New York at Buffalo)
HEGLUND, STEPHEN, Instructor, College of Nursing (2004). A.R.N.P., M.S.N. (University of Central Florida)
HEIL, JOHN, Technical Director (2011). B.S., M.F.A. (Virginia Polytechnic Institute and State University)
HEINRICH, HELGE H., Associate Professor of Physics and Secondary Joint Associate Professor - MMAE (2003). Ph.D. (Federal Institute of Technology)
HEINRICH, MARK, Associate Professor School of Electrical Engineering and Computer Science (2003). B.S., M.S., PhD (Stanford University)
HELSINGER, JIM, Artistic Director of Orlando Shakespeare Theater and Visiting Assistant Professor of Theatre (1995). B.A., M.F.A. (University of Alabama-Alabama Shakespeare Festival)
HENDERSON, JOSEPH, Instructor of Criminal Justice (2011). M.S. (University of Central Florida)
HENNIG, LINDA, Associate Dean, Undergraduate Affairs, College of Nursing (1989). M.S.N. Ed.D. (University of Central Florida)
HEPNER, LYNN, Associate Dean, Academic Programs, College of Arts & Humanities (1995). B.A. (University of Central Florida)
HERNANDEZ, FLORENCIO E., Associate Professor of Chemistry and Secondary Joint Associate Professor of Optics (2002). B.S., Ph.D. (Universidad Central de Venezuela)
HERNANDEZ, TERRI, Lecturer and Associate Chair of Psychology (2010). B.A., M.A., Ed.D. (University of Central Florida)
HEWITT, RANDALL, Associate Professor of Education (2001). B.A., M.A.E., Ph.D. (University of Florida)
HEWING, SUSAN, Assistant Professor of Medical Education and Nutrition (2009). Ph.D. (Florida State University)
HICKMAN, JAMES, Professor of Chemistry and Joint Professor of Nanoscience Technology (2004). B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
HIGGINS, PATRICK, Instructor of Mathematics (1999). B.S., M.S. (University of Central Florida)
HIGHGOWER, ROSS T., Assistant Professor of Management Information Systems (1999). B.S., M.S., Ph.D. (Georgia State University)
HILLSGROVE, TALI, Assistant Professor of Military Science, Enrolment Officer (2009).
HINES, REBECCA, Associate Professor of Education (1999). Ph.D. (University of South Florida)
HINKLE, ROSS, Interim Vice Provost, Dean of the College of Graduate Studies, and Chair and Professor of Biology (2009). Ph.D.
HIRUMI, ATSUSHI, Associate Professor of Education (2003). B.S., M.A., Ph.D. (Florida State University)
HITCHCOK, DORILYN F., Assistant Professor, Program Director of Medical Laboratory Sciences (1989). M.T., M.S. (Northeastern University)
HITT, JOHN C., President of the University, Professor of Psychology (1992). B.A., M.S., Ph.D. (Tulane University)
HOBART, JAMES, Visiting Instructor of Communication (2008). B.A. (University of Central Florida)
HOEKSTRA, ROBERT L., Associate Professor of Engineering (1993). B.A., M.DES., Ph.D. (University of Cincinnati)
Hoffman, Bobby, Assistant Professor of Education (2006). B.A., M.A. (University of Las Vegas)
Hoffman, James, Assistant Professor of Biology (2005). B.S., M.S., Ph.D. (Oregon State University)
Hoffman, Jay, Professor (2010). B.S., M.S., Ph.D. (University of Connecticut)
Hogg, James P., Lecturer (2010). M.S., Ph.D. (University of Central Florida)
Hofler, Kathleen, Assistant Professor of Writing & Rhetoric (1998). B.A., M.A., Ph.D. (University of Notre Dame)
Holladay, Sherry J., Professor of Communication (2010). B.A., M.A., Ph.D. (Purdue University)
HOLMES, STEPHEN, Associate Professor (1997), B.S., M.A., Ph.D. (University of Cincinnati)

HOLT, LARRY C., Associate Professor of Education (1988), B.S., Ed.D. (University of Cincinnati)

HOPKINS, MARTHA H., Professor of Education (1983), B.A., M.Ed., Ph.D. (Florida State University)

HOPP, CAROLYN, Instructor and Coordinator of Education (1998), B.A., M.A., Ph.D. (University of Central Florida)

HORNIK, STEVEN R., Lecturer of Accounting (2006), B.A., Ph.D. (Florida International University)

HOSTETLER, JANE, Instructor of Communication Sciences and Disorders (2004), B.A., M.A. (University of Central Florida)

HOUGHTON, DAVID, Associate Professor of Political Science (2003), B.A., M.A., Ph.D. (University of Pittsburgh)

HOWARD, ROSALYN, Associate Professor of Anthropology (1999), B.A., M.Ed., Ph.D. (University of Florida)

HOYT, ERICA, Instructor, College of Nursing (2003), M.S.N. (University of Phoenix)

HU, HAIFAN, Assistant Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Southern California)

HU, QIAN, Assistant Professor of Public Administration (2011), Ph.D. (Arizona State University)

HUA, KIEN, Instructor of Computer Science (1994), B.S., M.Sc., Ph.D. (University of Waterloo)

HUSAIN, MUJTABA, Professor of Pathology, College of Medicine (2010), M.B.B.S. (University of Karachi)

HUSTY, TODD, Assistant Professor of Emergency Medicine (2009), D.O. (Kansas City College of Osteopathic Medicine)

HUTCHINS, CYNDIA J., Associate Professor of Education (1989), B.S., M.A., Ed.D. (Florida Atlantic University)

HUTCHINSON, JOE, Chair, Department of Hospitality Management, Associate Professor of Hospitality Management (2006), B.S., M.B.A., Ph.D. (Virginia Polytechnic Institute and State University)

HYNES, MICHAEL C., Co-Director and Professor (Multi-Year) (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)

IGARASHI, ROBERT, Assistant Professor of Chemistry and Secondary Joint Assistant Professor of Biomedical Sciences (2007), B.S., Ph.D. (Utah State University)

IHDE, STEPHAN, Instructor of Communication (2004), B.A., M.A. (University of Central Florida)

ILDERTON, NATHAN, Assistant Professor of Political Science (2009), B.A., Ph.D. (Texas A&M University)

ILEGUSI, OLUSEGUN, Professor of Engineering (2002), B.S., M.S., Ph.D. (Imperial College, University of London)

ILIE, MARCEL, Assistant Professor Mechanical, Materials and Aerospace Engineering (2009), Ph.D. (Carleton University)

INGRAM, DANIEL, Visiting Instructor of Statistics (2011), B.S., M.S. (University of Central Florida)

INGLE, LORI, Associate Professor of Film (2000), A.A., B.F.A. (California Institute of the Arts)

INGRAM, KATHERINE H., Associate Professor of Theatre (2001), B.S., M.F.A. (University of Alabama-Alabama Shakespeare Festival)

ISENOUR, DAVID, Assistant Professor of SVAD (2007), B.F.A., M.F.A. (Michigan State University)

ISHIGAMI, MASASHI, Assistant Professor of Physics (2004), Ph.D. (University of California)


ISLAS, ALVARO, Lecturer of Mathematics (2005), Ph.D. (Old Dominion University)

ISMAIL, MOURAD, Professor of Mathematics (2003), B.Sc., M.Sc., Ph.D. (University of Alberta, Canada)

IVES, PETER, Instructor of Writing & Rhetoric (2010), B.A., M.F.A. (Bennington College)

JACOBS, DIANE, Professor of Molecular and Microbiology (1994), Ph.D. (Harvard University)

JACQUES, PETER, Associate Professor of Political Science (2003), B.A., M.P.A., Ph.D. (Northern Arizona University)

JANOWSKY, ALISHA, Lecturer of Psychology (2004), B.A., M.A., Ph.D. (Florida Atlantic University)

JANZ, BRUCE, Chair and Associate Professor of Humanities and Philosophy (2003), B.R.E., B.A., M.A., Ph.D. (University of Waterloo)

JASEN, KELCEY, Instructor of Statistics (2011), B.S., M.S. (University of Central Florida)

JASINSKI, JANA L., Chair and Professor of Sociology (1999), B.A., M.A., Ph.D. (University of New Hampshire)


JEANPIERRE, BOBBY, Associate Professor of Education (2001), B.S., M.A., Ph.D. (University of Minnesota)

JENKS, DAVID G., Associate Professor of History (2003), B.A., M.A., Ph.D. (University of Georgia)

JENNINGS, KELLY, Instructor of Education (2003), B.S., M.S. (Nova-Southeastern University)

JENSEN, BERNARD, Associate Professor of Psychology (1985), B.S., M.A., Ph.D. (Southern Illinois University)

JENTSCH, FLORIAN, Associate Professor and Director of Team Performance Laboratory (1997), B.S., M.S., Ph.D. (University of Central Florida)

JENTSCH, KIMBERLY S., Assistant Professor of Psychology (2003), B.A., M.S., Ph.D. (University of South Florida)

JEROMIN, AARON, Research Associate, FfEA (2007), B.F.A. (Ringling School of Art and Design)

JEWETT, AUBREY, Associate Professor of Political Science (1995), B.A., M.S., Ph.D. (Florida State University)

JEWETT, MOLLIE, Assistant Professor (2009), Ph.D. (Washington University in St. Louis)

JEWETT, TRAVIS, Assistant Professor (2009), Ph.D. (Washington University in St. Louis)

JHA, SUMIT, Assistant Professor Department of Electrical Engineering and Computer Science (2010), B. Tech., M.S., Ph.D. (Carnegie Mellon University)

JONES, JAMES J., Professor of Management Information Systems (2001), M.B.A., M.S., Ph.D. (University of Cincinnati)

JOHNSTON, ABBILLYN, Capt., USAF, Assistant Professor of Aerospace Studies (2009), B.A., MBA (Amberton University)

JOHNSON, MARK E., Professor of Statistics (1990), B.A., M.S., Ph.D. (University of Iowa)

JOHNSON, MICHAEL, Instructor of Education (2002), B.A., M.S., Ph.D. (University of Illinois)

JOHNSON, MICHAEL D., Dean of College of Sciences, and Professor of Physics (1996), B.S., Ph.D. (University of Virginia)

JONES, ANNA M., Associate Professor of English (2002), B.A., Ph.D. (University of Notre Dame)

JONES, DANIEL R., Professor of English (1984), B.A., M.A., Ph.D. (Florida State University)

JONES, DONALD E., Assistant Professor of Philosophy (1972), B.A., M.A., Ph.D. (University of Oklahoma)

JONES, FOARD F., Associate Dean, College of Business Administration, and Associate Professor of Management (1993), B.S., M.B.A., Ph.D. (University of Georgia)

JONES, K. DASURE, Associate Professor of Education (1997), B.S., M.A., Ph.D. (University of South Carolina)

JONES, LINWOOD W., Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (Virginia Polytechnic Institute)

JONES, ROBERT S., Associate Professor of Film (1991), A.B., M.S., M.F.A. (UCLA)

JOO, KYUNG MEE, Visiting Instructor of French (2010), B.A., M.A., Ph.D. (University of Paris IV)

JORDAN, KAREEM, Assistant Professor of Criminal Justice (2011), Ph.D. (Indiana University of PA)
JOSHI, AMIT, Associate Professor of Marketing (2005), B.E., P.G.D.M., Ph.D. (University of California, Los Angeles)

JUDD, ANDREW J., Associate Professor of Accounting (1987), B.A.B.A., M.B.A., Ph.D. (University of Florida)

JUDY, JONATHAN E., Instructor (2010), B.S., M.A. (University of South Florida)

JUGE, FRANK E., Professor of Hospitality Management and Professor Emeritus of Chemistry (2005), B.S., Ph.D. (University of Arkansas)

JUNG, HYUNG-IL, Lecturer of Hospitality Management (2005), B.A., M.S., Ph.D. (Virginia Polytechnic Institute)

JURIE, JAY D., Associate Professor of Public Administration (1986), B.A., M.U.A., M.E.P., Ph.D. (Arizona State University)

KALLINA, EDMUND F., JR, Professor of History (1970), B.A., M.A., Ph.D. (Northwestern University)

KAMRATH, MARK L., Professor of English (1997), B.S., M.A., Ph.D. (University of Nebraska, Lincoln)

KAPAT, JAYANTA S., Professor of Engineering (1997), B. Tech. (Hons.), M.S., S.C. (Massachusetts Institute of Technology)

KAPLAN, JEFFREY S., Associate Professor of Education (1992), B.A., M.A., Ph.D. (University of Florida)

KAPUCU, NAIM, Assistant Professor (2003), B.S., M.S., M.A., Ph.D. (Northwestern University at Pittsburgh, PA)

KAR, ARAVINDA, Professor of Optics, MAAE & ECECS (1994), B.S., M.S., Ph.D. (University of Illinois)

KARA, ABDELKADER, Associate Professor of Physics (2006), B.S., M.S., Ph.D. (University of Lille and U.C.A. Saclay, France)

KARWOWSKI, WALDEMAR, Chair and Professor of Engineering (2007), M.S., Ph.D., D.Sc. (Texas Tech University), P.E. (Texas)

KASPIS, TAKIS, Professor Department of Electrical Engineering and Computer Science (2005, B.E., M.S., Ph.D. (University of Texas)

KATT, JAMES, Interpersonal-Organizational Area Coordinator and Associate Professor of Communication (2003), B.S., B.A., M.A., Ph.D. (University of Central Florida)

KATZ, ANNETTE, Associate Professor of Hospitality Management (2003), B.S., M.S., Ph.D. (Virginia Tech University)

KAUP, DAVID, Provost's Distinguished Research Professor (2001), B.A., M.S., Ph.D. (University of Maryland)

KAY, DENISE, Visiting Assistant Professor of Education (2007), B.A., M.A., Ph.D. (University of Virginia)


KENNERY, SHLOE, Instructor of Education (2008), B.A.S. (Nova Southeastern University)

KESLER, THOMAS R., Associate Professor of English (1997), B.A., M.A. (University of Central Florida)

KHALID, ANNETTE, Associate Professor (2002), Ph.D. (University of Florida)

KHALIL, MOHAMED, Assistant Professor of Accounting (2008), Ph.D. (Purdue University)

KHONDAKER, SAIFUL, Associate Professor of Physics and Secondary Joint Professor Department of Electrical Engineering and Computer Science (2006), B.A. (Cambridge University, UK)

KUG, EDWARD, Assistant Professor of Business Administration (2006), B.A. (Florida State University)

KIBBLE, JONATHAN, Associate Professor of Physiology (2008), Ph.D. (University of Manchester)

KIEL, WRIGHT, Associate Professor of Political Science (1990), B.A., M.A., Ph.D. (University of Massachusetts)

KIK, PIETER G., Assistant Professor of Optics & Photonics (2003), B.S., Ph.D. (F.O.M. Institute of Amsterdam)

KILLINGSWORTH, ELIZABETH, Acting Head, Information Literacy & Outreach and Associate Librarian (2000), B.S., M.L.S. (University of North Texas)


KIM, JUN, Visiting Assistant Professor of SVAD (1999), B.A., M.A., Ph.D. (University of Minnesota)

KIM, MYUNGHEE, Assistant Professor of Political Science (2007), B.P.A., M.A., Ph.D. (Binghamton University-SUNY)

KIM, SI JUNG, Assistant Professor of SVAD (2010), B.A. (Virginia Tech)

KIM, YOON SEONG, ASSISTANT PROFESSOR (2010), Ph.D. (WELLI CORNELL GRADUATE SCHOOL OF MEDICAL SCIENCES)


KING, STEPHEN, ASSOCIATE PROFESSOR (2011), Ph.D. (UNIVERSITY OF COLORADO)

KINNALLY, WILLIAM, Assistant Professor of Communication (2008), B.A., M.A., Ph.D. (Florida State University)

KINSEY, BARBARA, Associate Professor of Political Science (2002), B.A., Ph.D. (Washington University, St. Louis)

KIRBY, PAMELA E., Associate Dean and Instructor of Legal Studies (2000), B.A., M.A., J.D. (University of Virginia)

KIRKPATRICK, LEE ANNE, Director, College of Sciences Academic Support (1992), B.A., M.S. (University of Central Florida)

KISBY, CYNTHIA M., Head, Regional Campus Libraries and Associate Librarian (1996), B.A., M.A.L.S. (Dominican University)

KLAPHEKE, MARTIN, Professor of Psychology, College of Medicine (2010), M.D. (University of Kentucky)

KLEM, Richard A., Visiting Professor of Physics (2010), M.A., Ph.D. (Harvard University)


KLOWDEN, GREGG, Visiting Lecturer in Biology (2007), B.A. (University of Florida)

KNUCKEY, ALLA, Assistant Professor of English (2010), B.A. (Florida State University)

KOEHLER, CLAIRE, Assistant Professor of Public Administration (2010), Ph.D. (Florida State University)

KNUCKEY, JONATHAN O., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (University of New Hampshire)

KOBLASZ, MARGARITA M., Instructor of Legal Studies (2004), B.A., J.D. (Stetson University)

KOGER, PHILIP C., Associate Faculty of Education (1999), B.A., M.A., Ed.S., Ed.D. (University of South Carolina)

KOHN, ROBIN M., Clinical Instructor and UG B.S.W. Coordinator, School of Social Work (2000), B.A., B.S.W., M.S.W., L.C.S.W. (Florida State University)

KOKOULINE, VIACHESLAV, Associate Professor of Physics (2003), Ph.D. (Universite de Paris)

KOLATTUKUDY, P.E., Professor, Director, Burnett School of Biomedical Sciences (2002), Ph.D. (Oregon State University)

KOLPASHCHIKOV, DMITRY, Assistant Professor of Chemistry (2008), B.S., M.S., Ph.D. (Novosibirsk Institute of Bioorganic Chemistry, Russia)

KONG, ANTHONY, Assistant Professor of Communication Sciences and Disorders (2007), B.S., Ph.D. (University of Hong Kong)

KOONS, KEITH, Professor of Music (1990), B.M.E., M.M., D.M.A. (University of Southern California)

KOROSEC, RONNIE, L., Assistant Professor of Spanish (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)


KOTNOUR, TIMOTHY G., Assistant Professor of Engineering (1995), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University), E.L. (Illinois)

KOUROVA, ALLA, Assistant Professor of Russian (2008), B.A., M.A., Ph.D. (Moscow State University, Russia)

KOVACH, KEITH, Associate Professor of SVAD (2004), B.A., M.F.A. (University of South Florida)

KRICK, STEPHANIE, Visiting Instructor (1997), M.P.A. (Troy State)

KRISHNAMOORThY, ANAND, Associate Professor of Marketing (2004), B.Tech., Ph.D. (University of Texas, Dallas)

KUANG, LANLAN, Visiting Assistant Professor, Philosophy (2011), B.A., M.A., Ph.D. (Indiana University at Bloomington, IN)

KUBIET, LESLIE, Instructor, College of Nursing (2006), A.R.N.P., M.S.N. (University of Florida)

KUEBLER, STEPHEN, Associate Professor of Chemistry and Joint Associate Professor of Optics (2003), B.S., Ph.D. (University of Oxford)

KUJAWA, FRANK B., Associate Professor of Chemistry (1989), B.A., Ph.D. (Johns Hopkins University)

KUMAR, RANGANATHAN, Professor of Engineering (2003), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

KUMM nella, WILLIAM, Instructor of Education (2008), B.S., M.S. (Florida State University)

KUTKUT, NASSER, Instructor, Management (2010), B.A., M.S., M.B.A., Ph.D. (University of Wisconsin - Madison)

KWUN, DAVID, JOON-WUK, Assistant professor of Hospitality Management (2005), B.A., M.S., Ph.D. (Iowa State University)
KYLE, BARBARA, Instructor of Writing & Rhetoric (2006), B.A., M.A. (University of Central Florida)

LAFAYETTE, PATRICIA, Advisor/Instructor, College of Nursing (1995), M.S.N. (University of Central Florida)


LAMANNA, JACQUELINE, Instructor, College of Nursing (2006), M.S.N. (University of Florida)

LAMBERT, STEPHEN, Associate Professor of Medical Education (2006), Ph.D. (University of Witwatersrand)

LAMBIE, GLENN, Associate Professor (2005), B.A., M.Ed., Ph.D. (College of William and Mary)

LANDREVILLE, SARAH, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Central Florida)

LANG, SHEAU-DONG, Associate Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

LANGE, BARBARA, Coordinator R.N. to B.S.N. Program and Instructor, College of Nursing (2002), M.S.N. (Bellarmine University)

LANGWORTHY, ROBERT, Chair of Department of Criminal Justice and Professor of Criminal Justice (2007), B.S., M.A., Ph.D. (State University of New York-Albany)

LANIER, DREW N., Associate Professor of Political Science (1997), B.A., J.D., Ph.D. (University of North Texas)


LAPCHICK, RICHARD E., Professor and Director of Sports Business Management (2001), B.S., M.S., Ph.D. (University of Denver)

LARSON, PETER, Associate Professor of History and Graduate Program Director (2006), B.A., M.A., Ph.D. (Rutgers, The State University of New Jersey)

LARSON, SHARON, Visiting Instructor of Modern Languages (2012), Ph.D. (Brown University)

LARTONOIX, PAUL F., Associate Professor of Theatre and Interim Director of SVAD (1998), B.A., M.F.A. (Lindenwood University)

LAUNIER, EUGENE, Instructor of Writing & Rhetoric (2008), B.A., M.A. (St. Cloud State University)

LAVENDOL, VICKI, Instructor (2010), B.S., M.D., M.B.A. (Crummer Graduate School of Business, Rollins College)

LAVIOLA, JOSEPH, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Brown University)

LAWRENCE, SHAWN, Associate Professor of Social Work (2006), Ph.D., L.C.S.W. (University at Buffalo)

LAWTHER, WENDELL C., Associate Professor of Public Administration (1994), B.A., M.A., Ph.D. (Indiana University)

LEAVENS, GARY T., Professor, Associate Director School of Electrical Engineering and Computer Science (2007), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

LEE, GENE C. H., Associate Professor of Engineering (1985), B.E., M.S., M.S.I.E., Ph.D. (Texas Tech University), P.E. (Texas, Florida)

LEE, IJ-EUN, Assistant Professor (2010), M.S., Ph.D. (Purdue University)

LEI, JING, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Pennsylvania State University)

LEE, JUNHO, Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (Michigan State University)

LEHMANN, THOMAS, Visiting Assistant Professor of Ed (2008), B.A., M.A., Ph.D. (Florida State University)

LEHMANN, GERALD, Capt., USAF, Assistant Professor of Aerospace Studies (2008), B.S., MBA (Webster University)

LEIGHTON, JOHN P., Associate Professor of Management Information Systems (1987), B.S., M.S., M.B.A., Ph.D. (University of Cincinnati)

LELII, PATRICIA, Undergraduate Coordinator and Instructor, College of Nursing (1979), M.S.N. (University of Alabama at Birmingham)

LELIEVRE, ANNE, Instructor, SVAD (2010), M.F.A. (University of Central Florida)

LEON, ANA M., Associate Professor of Social Work (1994), B.A., M.S.W., Ph.D. (New York University)

LESTER, CONNIE, Associate Professor of History, Director of RICHES, and Editor of Florida Historical Quarterly (2005), B.S., M.A., Ph.D. (University of Tennessee)

LETTICE, MARIE, Associate Professor of French (1994), B.A., Ed.D. (University of Central Florida)

LEUNER, JEAN, Dean and Professor, College of Nursing (2003), C.N.E., M.S.N., Ph.D. (Boston College)


LI, GUIFANG, Professor of Optics & EECS (1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)

LI, XIAOMAN, Assistant Professor (2008), Ph.D. (University of Southern California)

LI, XIN, Professor of Mathematics (1990), B.A., M.A., Ph.D. (University of South Florida)

LI KAM WA, PATRICK, Associate Professor of Optics & EECS (1993), B.E., Ph.D. (University of Sheffield)

LIAO, YI, Assistant Professor of Chemistry (2006), B.S., Ph.D. (University of Massachusetts)

LIBERMAN, AARON, Professor of Health Services Administration (1996), B.A., M.S., M.A., Ph.D. (University of Iowa)

LILLOIS, ANNA, Associate Professor of English (1986), B.A., M.A., Ph.D. (University of Iowa)

LIN, KOU-CHI KURT, Assistant Professor (2009, Ph.D. (Stanford University), B.S. (University of California, Irvine))

LIN, MINJIE, Assistant Professor Department of Electrical Engineering and Computer Science (2011), B.S., M.S., Ph.D. (Stanford University)

LINDGREN, ROBB, Assistant Professor of SVAD (2009, Ph.D. (University of Washington), M.E. (University of California, Berkeley))

LINDSAY, ANNE, Assistant Professor of History (2011), B.A., M.A., Ph.D. (University of California, Riverside)

LINDSLEY, BOYD, Assistant Director and Instructor of Communication (2007), B.A., M.A. (University of Central Florida)

LIU, JUN J., Professor Department of Electrical Engineering and Computer Science (1986), B.S.E.E., M.S.E.E., Ph.D (University of Florida)

LIU, KUOTSU TOM, Professor of Public Administration (1996), B.A., M.P.A., D.P.A. (University of Oklahoma)

LISTENGARTEN, JULIA, Professor of Theatre (1999), M.A., Ph.D. (University of Michigan)

LITTLE, MARY, Associate Professor of Education (1996), Ph.D. (University of Kansas)

LITTLETON, VANESSA, Instructor of Public Administration (2010), PhD (University of Central Florida)

LLEWELLYN, MARK J., Lecturer School of Electrical Engineering and Computer Science (1998), B.S., B.A., Ph.D. (University of Central Florida)

LOERZEL, VICTORIA, Assistant Professor, College of Nursing (2007), B.A., B.S.N., M.S.N., Ph.D. (University of Central Florida)

LOGAN, ALISON, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Rochester)

LOGAN, RONALD, Associate Professor of Hospitality Management (2003), B.A., M.A. (University of California, Los Angeles)

LOGUIDICE, FRANCIS T., Instructor of Biology (1997), B.S., M.S. (University of Central Florida)

LONG, GEORGE, Instructor of Anthropology (1991), B.A. (University of Florida)

LONG, MARK, Instructor of History (2007), B.A., M.A., Ph.D. (Loyola University)

LONGHANY, JOSEPH, Visiting Instructor of Writing & Rhetoric (2008), B.A., M.A. (University of Central Florida)

LOPEZ, GENARO, Professor, Director of Prehealth Professions Advisement Office (2004), Ph. D. (Colorado State University)

LOPEZ, HUMBERTO J., Professor of Spanish (1996), B.A., M.A., Ph.D. (The Florida State University)

LOPEZ-OJEDA, WILFREDO, Instructor (2003), Ph.D. (University of Puerto Rico School of Medicine)

LORING, LINDA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Phoenix)

LOREY, MICHAEL, Instructor of Sociology (2009), B.A., M.A. (University of Florida)

LOTZ, THEO, Director of Flying Horse Press and Instructor (2004), B.A., M.F.A. (Louisiana State University)

LUCKEN, KAROL M., Associate Professor of Criminal Justice (1994), B.A., M.S., Ph.D. (Florida State University)

LUDWIG, VIRGINIA, Instructor of TESOL (1999), B.A., M.A. (University of Central Florida)


LUE, CHERYL, Professor of Physics (1992), B.S., Ph.D. (University of California, Los Angeles)

LYNCH, PERRY, Instructor of Hospitality Management (2006), B.A., M.S. (University of Wisconsin-Stout)

LYNXWILER, JOHN P., Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (University of Tennessee)

LYONS, AMELIA, Assistant Professor of History (2005), B.A., M.A., Ph.D. (University of California Irvine)

LYTLE, J. STEPHEN, Associate Professor of History (1975), B.S., M.S., M.P.H. (University of Central Florida)

MABOUDOU-TCHAO, EDGARD, Associate Professor of Statistics (2007), B.S., M.S., Ph.D. (University of Minnesota)

MACKIE, KEVIN, Associate Professor of Sociology (2009), B.A., M.A., Ph.D. (University of Central Florida)

MACKIE, KEVIN, Associate Professor of Sociology (2009), B.A., M.A., Ph.D. (University of Central Florida)
MADANLARIJANI, KAVEH, Assistant Professor of Engineering (2011), B.S., M.W.R., Ph.D. (University of California, Davis)

MAHAN, SUE G., Associate Professor of Criminal Justice (1987), B.A., M.A., Ph.D. (University of Missouri)

MAJOR, ANTHONY B., Associate Professor of Film; Director, African American Studies Program (1995), B.A., M.F.A. (New York University)

MALALA, JOHN, Instructor of Biology (2004), B.A., M.S.E.E., Ph.D. (University of Central Florida)

MALAN, ANDREW, Instructor of Criminal Justice (2006), B.S., M.Ed., M.S. (University of Central Florida)

MALOCHA, DONALD C., Instructor of Criminal Justice (2007), B.S., M.S., Ed.D. (Bowling Green State University, Community College of Ohio)

MALDIJANI, KAVEH, Assistant Professor of Computing Science (2003), Ph.D. (Texas A&M University)

MALONEY, DONNA, Associate Professor of Health Management & Informatics (2004), M.H.A., Ph.D. (University of Alabama-Birmingham)

MANKOFF, JILLIAN, Professor of English (2004), B.A., M.A., Ph.D. (University of California-Berkeley)

MANN, MARY, Instructor of Social Work (2010), B.S.W., M.S.W. (University of Central Florida)

MANN, MICHAEL, Assistant Professor of Social Work (2011), B.A., M.A., Ph.D. (University of Central Florida)

MARCUS, MICHAEL, Associate Professor of Political Science (2007), B.A., M.A., Ph.D. (University of Michigan)

MARTIN, MICHAEL JASON, Acting Head, Curriculum Materials Center and Associate Librarian (2003), B.A., M.A.L.I.S. (University of South Florida)

MARTIN, PAUL, Instructor of Writing & Rhetoric (2008), B.A., M.A. (University of Central Florida)

MARTIN, SUZANNE, Professor of Education (2000), B.S., M.Ed., Ph.D. (University of Florida)

MARTIN, THOMAS L., Associate Professor of Economics (1983), B.A., B.S., Ph.D. (Rice University)

MARTIN JR., FRANCIS, Lecturer of Social Work (1987), B.A., M.A., Ph.D. (University of California at Los Angeles)

MARTINEZ, LAURA, Instructor of Writing & Rhetoric (2011), B.A., M.A. (University of Central Florida)

MARTINEZ-FERNANDEZ, LUIS, Professor of History (2004), B.A., M.A., Ph.D. (University of Oklahoma)

MASRI, MAYSOUN DIMACHIE, Assistant Professor of Health Management & Informatics (2010), M.B.A., M.P.H., ScD (Tulane University)

MATHIAH, CAROLYN A., Lecturer in Marketing (2005), B.B.A., M.B.A., Ph.D. (Arizona State University)

MASTERNAK, MICHAL, ASSOCIATE PROFESSOR (2011), Ph.D. (POZNAŃ UNIVERSITY OF MEDICAL SCIENCES)

MASUNO, ARTEM E., Associate Professor of Associate Technology and Joint Assistant Professor of Chemistry (2005), B.S., M.S., Ph.D. (Hunter College and City University of New York)

MATJEWSKY, TY, Assistant Professor of Anthropology (2002), B.A., Ph.D. (Texas A&M University)

MATTSON, GERARD, Lecturer of Chemistry (2008), B.A., Ph.D. (Auburn University)

MATUSSIT, JONATHAN, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (University of Oklahoma)

MAUDLIN-JERONIMO, JOHN, Associate Professor of Architecture (2011), B.S., B.Arch., M.S. (University of Miami)

MAUER, BARRY J., Associate Professor of English (1999), B.A., M.A. (University of Florida)

MAUKONEN, DEBRA, Visiting Instructor of Humanities (2006), B.A., M.L.S. (Rollins College)

MAUÑEZ-CUADRA, JOSE, Associate Professor of Digital Media, Director of Latin American Studies (2007), B.A., M.S., Ph.D. (Bowling Green University)

MAYER, BETTY, Instructor, College of Nursing (2002), A.R.N.P., Ph.D. (University of South Florida)

MAYFIELD-GARCIA, STEPHANIE, Instructor of Marketing (2001), B.A., M.S. (Florida International University)

MAZZA, SHELLENDE, Visiting Instructor of Social Work (2010), B.S.W., M.S.W. (University of Central Florida)

MAZZUCHELLI, CHIARA, Assistant Professor of Italian (2007), B.A., M.A., Ph.D. (Florida Atlantic University)

McCALEY-BUSH, PAMELA R., Associate Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Oklahoma)

McCONNELL, DANI, Lecturer of Psychology (2007), Ph.D. (Indiana University)

McDANIEL, THOMAS, Professor of Associate Technology and Joint Assistant Professor of Digital Media, Assistant to the Dean, College of Arts & Humanities (2005), B.A., M.A., Ph.D. (University of Central Florida)

MCDONALD, HOLLY, Instructor of Theatre (2002), M.F.A. (University of Alabama, Tuscaloosa)

McGEORGE, JANET, Assistant Professor (2007), B.S., M.S., Ed.D. (Duquesne University)

McGUIRE, JOHN M., Associate Dean, College of Sciences and Professor of Psychology (1972), B.A., M.A., Ph.D. (George Peabody College)

McHONE, W. WARREN, Professor of Economics (1982), B.S., M.A., Ph.D. (University of Pennsylvania)

MCINTYRE, MATTHEW, Assistant Professor of Anthropology and Secondary Joint Assistant Professor of Medical Education (2007), Ph.D. in Anthropology, MSC in Epidemiology (Harvard University)


McPEEK, T. KEITH, Assistant Professor of Archaeology (2010), Ph.D. (Texas A&M University)

MEEHAN, KEVIN, Professor of English (1996), B.A., M.A., Ph.D. (University of Maryland)

MELTZER, BRETT, Instructor (2011), Bachelors and J.D. (J.D. from University of Florida)

MENDELSOHN, HAROLD D., Assistant Librarian (2001), B.S., M.A., M.L.S. (San Jose State University)

MICHAEL, STACY, Training NCO (2009),
MOHAPATRA, RAM N., Professor of Mathematics (1964), B.S., M.S., Ph.D. (University of Jabalpur)

MOKAM, GAMAL, Professor of Optics (1987), B.S., Ph.D. (University of British Columbia)

MOHRENE, ROBERT W., Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

MOLINA, OLGA, Associate Professor of Social Work (2006), D.S.W. (Hunter College)

M O L L A G H A S E M I , MANSOOREH, Associate Professor of Engineering (1991), B.S., M.E., Ph.D. (University of Louisville)

MONROE, MANETTE, Assistant Professor of Pathology, College of Medicine (2010), M.D. (East Tennessee State University)

MONTAGNE, EURIPIDES, Lecturer, School of Electrical Engineering and Computer Science (1999), B.S., M.S., Ph.D. (Central University of Venezuela)

MONTALVO, MARIA, Instructor of Spanish (2002), B.A., M.A. (University of Central Florida)

MONTGOMERY, KIMBERLY K., Assistant Librarian (1988), B.A. M.S. (Florida State University)

MONTGOMERY, MICHELE, Lecturer of Physics (2004), Ph.D. (Florida Institute of Technology)

MONTGOMERY, RENEE, Assistant Librarian (2003), B.S., M.S. (Florida State University)

MOODY, JANE, Instructor of English (2010), B.A., M.A. (University of Central Florida)

MOORE, BARBARA A., Instructor of Economics (2000), B.S., M.A.A.E. (University of Central Florida)

MOORE, BRIAN, Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (University of Surrey, Guildford, UK)

MOORE, JEFFREY, Chair and Professor of Music (1994), B.M.E., M.M. (University of Wisconsin)

MOORE, NANG, Lecturer Mechanical, Materials and Aerospace Engineering (2010), B.S., M.S., Ph.D. (North Carolina State University)

MOORE, SEAN, Assistant Professor (2008), Ph.D. (University of Alabama-Birmingham)

MORALES, REINALDO, Assistant Professor of Military Science (2006), B.A.

MORALES, WALTZRAUD Q., Professor of Political Science (1980), B.A., M.A., Ph.D. (University of Denver)

MORAN-BANO, COLLEEN, Professor of Pediatrics, College of Medicine (2010), M.D. (University of South Florida)

MORGAN, SEAN, Professor of Military Science, Training NCO (2009).

MORRISON, WILLIAM C., Instructor of English (2002), B.A., M.A. (Miami University)

MORSE, ANNE, Instructor, College of Nursing (2007), B.A., B.S.N., M.S.N. (University of Florida)

MOSHELL, J. MICHAEL, Professor of SVAD (1984), Ph.D. (Ohio State)

MOTTARELLA, KAREN, Lecturer of Psychology (1996), B.A., M.S., Psy. D. (Florida Institute of Technology)

MOULOUA, MUSTAPHA, Professor of Psychology (1994), M.A., Ph.D. (Catholic University of America)

MUCCIOLO, EDUARDO, Associate Professor of Physics and Secondary Joint Associate Professor of Electrical and Computer Engineering (2003), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

MUHS, TAMMY, Instructor/Coordinator of Mathematics and Director, Mathematics Assistance and Learning Lab (2005), M.S., Ph.D. (University of Central Florida)

MULLER, MARK, Professor (2004), Ph. D. (University of British Columbia)

MULVHILL, RACHEL G., Associate Librarian (2002), B.A., M.A.L.I.S. (University of South Florida)

MUNDALE, JENNIFER, Associate Professor of Philosophy (1999), B.A., A.M., Ph.D. (Washington University)


MURPHY, REBECCA M., Assistant Librarian (2010), B.A. M.A.L.I.S. (University of Alabama)

MURPHREE, DANIEL, Associate Professor of History (2010), B.A., M.A., Ph.D. (Florida State University)

MURPHY, KEVIN, Associate Professor of Hospitality Management (2003), B.S., M.S. Ph.D. (Virginia Polytechnic University, CEC.)

MURPHY, PATRICK, Professor and Chair of English (2002), B.A., M.A., Ph.D. (University of California, Davis)

MURRAY, BARBARA A., Associate Professor of Education (1992), B.S., M.A.E., Ed.S., Ph.D. (Indiana State University)

MURRAY, KENNETH T., Associate Professor of Education (1991), B.S., M.S., J.D., Ph.D. (Indiana State University)

MURRAY, THOMAS, Visiting Instructor of Education (2007), B.S., MBA, Ph.D. (University of South Florida)

MUSAMBIRA, GEORGE, Assistant Professor of Communication (2005), B.A., M.A.M, Ph.D. (University of Buffalo)

MUSTAINE, ELIZABETH, Associate Professor of Sociology (1994), B.A., M.A., Ph.D. (Ohio State University)

NACCARATO-FROMANG, GINA, Instructor (2011), B.S. and J.D. (J.D. from Mercer University, Walter F. George School of Law)

NAIR, DEEPA, Assistant Professor of History (2011), B.A., M.A., Ph.D. (National University of Singapore)

NALBONE, LISA J., Assistant Professor of Spanish (1996), B.A., M.S., Ph.D. (Florida State University)

NASER, SALEH, Professor (1995), Ph.D. (New Mexico State University)

NASHER, ZUHAIR, Professor of Mathematics (2002), B.S., M.S., Ph.D. (University of Michigan)

NAZZAL, DIMA, Assistant Professor of Engineering (2006), B.S.I.E., Ph.D. (Georgia Tech.)

NEAL, MARY DARLIN, Assistant Professor of English (2008), B.A., M.A., M.F.A., Ph.D. (University of Southern Mississippi)

NEEL, STEVEN, Instructor of Communication (2003), B.A., M.A. (University of Central Florida)

NEGRO, LUIS G., Instructor/Coordinator of Mathematics (2011), A.A., B.S., M.S. (University of Central Florida)

NEGY, ALMA, Instructor of Spanish (2002), B.A., M.A., Ph.D. (University of Houston)

NEGY, CHARLES, Associate Professor of Psychology (1998), B.A., M.S., Ph.D. (Texas A&M University)

NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1997), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NELSON, LOREN, Professor of Surgery (2006), M.D. (University of Iowa)

NEUBAUER, CHARLOTTE, Instructor, College of Nursing (2007), B.S.N., M.S.N. (University of Phoenix)

NEUBERGER, LINDSAY, Assistant Professor of Communication (2011), B.A., M.A., Ph.D. (Michigan State University)

NEVAI, ANDREW, Assistant Professor of Mathematics (2008), B.S., M.A., Ph.D. (University of California, Los Angeles)

NI, LIQIANG, Associate Professor of Statistics (2003), B.Sc., Ph.D. (University of Minnesota)

NICHOLS, GARY, Instructor of Management (2006), B.S.B.B, M.B.A. (University of South Florida)

NICKERSON, DAVID, Professor and Chair of Statistics (1990), B.S., M.S., Ph.D. (University of Florida)

NIEN, CHRISTOPHER, Associate Professor and Chair of Theatre (2001), B.A., M.F.A. (Kent State University)

NNADI, FIDELIA N., Associate Professor of Engineering (1994), B.Eng., Ph.D. (Queen’s University-Ontario, Canada), P.E. (Canada, Florida)

NOBLIN, ALICE, Program Director and Instructor of Health Informatics & Information Management (2004), M.B.A., Ph.D. (University of Central Florida)

NORRIS, ANNE, Professor, College of Nursing (2008), F.A.A.N., B.S., B.S.N., M.S., Ph.D. (University of Wisconsin-Madison)

NOSS, REED F., Provost Distinguished Research Professor and Professor of Biology (2002), B.S., M.S., Ph.D. (University of Florida)

NOVATNAK, DANIEL, Instructor of SVAD (2008), B.A., M.S., M.A. (University of Central Florida)

NUISAIK, KHALDOON, A., Assistant Professor of Hospitality Management (2007), B.A., M.S. (Technology), M.S. (Management), Ph.D. (The Ohio State University)

NUTTA, JOYCE, Associate Professor of Education (2007), B.A., M.A., Ph.D. (University of South Florida)

NWAKANMA, OBI, Assistant Professor of English (2011), B.A., M.A., Ph.D. (St. Louis University)

NYE, CHAD, Professor of Communication Sciences and Disorders (1996), B.A., M.S., Ph.D. (University of Wisconsin-Madison)

ODONNELL, MICHAEL J., Instructor of Management (2010), B.S., M.S. (University of Central Florida)

OETJEN, DAWN M., Interim Chair and Professor of Health Management & Informatics (1999), B.S., R.R.A., C.P.H.Q., M.S., Ph.D. (University of Alabama at Birmingham)

OETJEN, REID, Associate Professor in Health Management and Informatics (2008), B.A, MS, PhD (University of Central Florida)

OKUMUS, FEVZI, Chair, Department of Hospitality Services and Associate Professor of Hospitality Management (2005), B.S., M.S., Ph.D. (Oxford Brookes University)
OLIVER, KATHLEEN M., Associate Professor of English (2003), Ph.D. (University of South Florida)
OLUFAA, AMR A., Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)
ONEAL, THOMAS P., Associate V.P. for Research & Commercialization, and Associate Professor of Management (2007), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)
ORLOVSKAYA, NINA, Assistant Professor of Engineering (2006), Ph.D. (National Academy of Science of Ukraine)
OROOJI, ALI, Associate Professor School of Electrical Engineering and Computer Science (1985), B.S., M.S., Ph.D. (Ohio State University)
PARK, SHELLEY M., Instructor of Theatre (2010), B.S., M.S., M.S.E., Ph.D. (University of Central Florida)
PARKINSON, CHRISTOPHER L., Associate Professor of Biology (2000), B.S., M.S., Ph.D. (University of Louisville)
PARKS, H.G., Professor of Hospitality Management (2007), Ph.D., M.S., M.Sc., B.S. (Virginia Polytechnic University)
PARSN, CARLA, Extenship Coordinator and Instructor of Communication Sciences and Disorders (2002), B.S., M.S. (Southern Illinois University)
PARTHASARATHY, SAMPATH, PROFESSOR, ASSOCIATE DIRECTOR (2011), Ph.D. (INDIAN INSTITUTE OF SCIENCE)
PATINO, PEDRO R., Lecturer of Chemistry, Associate Chair, and Undergraduate Advisor (2006), B.S., Ph.D. (Oxford University)
PATTANAUK, SUMANTA, Associate Professor School of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D. (Birla Institute of Science and Technology)
PAYER, ANDREW, Professor of Anatomy (2008), Ph.D. (Loyola University)
PEALE, ROBERT E., Professor of Physics (1991), B.A., M.S., Ph.D. (Cornell University)
PELL, MOSE, Abe and Tесс Wise Endowed Professor of Judaic Studies and Program Director, Judaic Studies Program (1965), B.S., Ph.D. (The Dreiski College)
PELLING, ROBERT L., Director, Center for Economic Education and Associate Professor of Economics (1983), B.A., Ph.D. (Texas A&M University)
PENNSKY, MARIANNA Y., Professor of Mathematics (1995), B.Sc., M.Sc., Ph.D. (Moscow University)
PENN, RICHARD, Associate Professor of English (2007), B.A., M.Ed. (University of Central Florida)
PEREZ, MANUEL, Associate Professor of Nanoscience Technology and Secondary Joint Associate Professor of Chemistry (2005), B.S., M.S., Ph.D. (Boston University)
PEROTTE, GINO, Visiting Instructor of Communication (2010), B.S., M.A. (University of Central Florida)
PERRY, CHARLES, Assistant Professor of Theatre (2008), B.S. M.F.A. (University of Florida)
PETARMACOST, JULIA, Associate Dean, Planning and Knowledge Management, College of Medicine (1993), Ph.D. (Case Western Reserve University)
PETERS, PHILIP, Associate Professor of SVAD (2003), M.F.A. (University of Montana)
PHANSTIEL, OTTO, Professor of Medical Education (1995), Ph.D. (University of Florida)
PHERIGO, JOHNNY L., Professor of Music (2004), B. Mus., M.M., D.M.A. (University of Illinois)
PIASCIK, JEANNE M., Assistant Librarian (1995), B.S., M.L.S. (Kent State University)
PIERCE, JR., CHARLES F., Executive in Residence, Health Services Administration (2002), B.A., M.G.A (University of Pennsylvania)
PIGG, STACEY, Assistant Professor of Writing & Rhetoric (2011), B.A., M.A., Ph.D. (Michigan State University)
PIKE, AUDREY, Affiliate General Counsel, College of Medicine (2010), J.D. (Florida State University, College of Law)
PINEDA, YOVANNA, Assistant Professor of History (2010), B.A., M.A., Ph.D. (University of California - Los Angeles)
PIZAM, ABRAHAM, Dean Rosen College of Hospitality Management, Linda Chapin Eminent Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.P.A., Ph.D. (Cornell University)
PLANT, JENNIFER, Assistant Professor of Athletic Training (2010), B.S., MS Ed (Dominion University)
PLEMMONS, W. RODERICK, Instructor/Coordinator of Mathematics (2011), B.S., B.S.E., M.S. (University of Central Florida)
POINDEKTER, CARLA, Associate Professor of SVAD (2000), B.F.A., M.F.A. (Texas Tech University, Lubbock)
POISSANT, DAVID, Assistant Professor of English (2011), B.A., M.F.A. (University of Cincinnati)
POOL, PHILIP H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)
POMEREAU, JULIE, Instructor of Spanish (2007), B.A., M.S. (University of Barcelona, Spain)
PONS, IRENE, Instructor of Legal Studies (2007), B.A., J.D. (Nova Southeastern University)
PONS, MICAELA, Assistant Professor of Engineering (2011), B.A., M.F.A. (University of Florida)
PORTER, ROBERT L., Lecturer of Management (2010), B.S., M.B.A., Ph.D. (University of Central Florida)
POTTER, ROBERTO HUGH, Professor of Criminal Justice and Research Director (2008), Ph.D. (University of Florida)
POTTER, THOMAS, Associate Professor of Music (2005), B.S., M.M. (Indiana University)
PRESTON, LEANDRA, Instructor of Women’s Studies (2003), M.A. (University of Central Florida)
PRICE, MARY K., Professor of SVAD (2004), B.F.A., M.F.A. (University of Illinois - Champaign)
PROCTOR, MICHAEL D., Associate Professor of Engineering (1994), B.S., M.S., Ph.D. (North Carolina State)
PRUCHA, ANNE, Instructor of Spanish (2000), B.A., M.A. (Rutgers University)
PUGH, TISON, Professor of English (2000), B.A., M.A., Ed. (Ph.D. (University of Oregon)
PURMENSKY, KERRY, Associate Professor of TESO (2003), B.A., M.S., Ph.D. (Southern Illinois University, Carbondale)
PUTZER, GAVIN, Adjunct Instructor (2007), Ph.D. (University of Florida)
PYN, C. MANNING, Visiting Instructor of Communication (2011), B.A. (University of South Florida)
QI, YUANWEI, Associate Professor of Mathematics (2003), Ph.D. (University of Oxford)
QU, ZHIHUA, Professor Department of Electrical Engineering and Computer Science (1990), B.S.E., M.S.E., Ph.D. (Georgia Tech)
QUANTANCE, BARBARA S., Instructor of Marketing (2011), B.S., M.B.A. (University of Central Florida)
QUAN, LI, Assistant Professor of Political Science (2006), B.A., M.A., Ph.D. (Texas A&M University)
QUINN, RICHARD, Associate Professor of English (1999), B.A., M.B.A. (Rochester Institute of Technology)
QUINTANA-ASCENCIO, PEDRO F., Associate Professor of Biology (2003), B.S., M.S., Ph.D. (State University of New York at Stony Brook)
RABELO, LUIS, Associate Professor of Engineering (2000), B.S., M.S., Ph.D. (University of Missouri Rolla)
RADM, A. ESSAM, Executive Associate Dean, Professor of Engineering (1990), B.S., M.S., Ph.D. (Purdue University), P.E. (Florida, Egypt)
RAGHAVAN, SEETHA, Assistant Professor of Engineering (2008), Ph.D. (Purdue University)
RAHMAN, TALAT S., Chair and Distinguished Professor of Physics and Secondary Joint Professor of NanoScience Technology (2006), Ph.D. (University of Rochester)
RAINUMO-ORTIZ, WANDA, Assistant Professor of SVAD (2010), M.F.A. (University of Florida)
UCF Faculty

RAINS, MARI Y., Instructor of Management (2009), B.S., M.S. (University of Central Florida)
RAMANALAL, PRADIPKUMAR, Associate Professor of Finance (1998), B.S., Ph.D., Ph.D. (University of Michigan)
RAMIREZ, BERNARDO, Program Director of Health Services Administration and Assistant Professor of Health Management & Informatics (2007), M.B.A. M.D. (University of Mexico)
RAMOS, ESTELLI, Instructor of Social Work (2008), M.S.W. (University of Chicago)
RANDALL, ANDREW A., Associate Professor of Engineering (1994), B.S.C.E. M.S., Ph.D. (Auburn University), P.E. (Florida)
RANDALL, JEROME, Instructor of Criminal Justice (1999), B.A., M.A. (Webster University)
RAPPOLO, AARON, Specialist (2010), B.S., M.A. (University of Central Florida)
RAPPORT, MARK, Professor of Psychology (2000), B.A., M.A., Ph.D. (Florida State University)
RASH, ELIZABETH, Assistant Professor, College of Nursing (2006), A.R.N.P., Ph.D. (University of Central Florida)
RATUNNIK, DAVID L., Professor of Communication Sciences and Disorders (1986), B.S., M.A., Ph.D. (Northwestern University)
RAZACK-MALIK, NARSEEN, Assistant Professor of Psychology (2003), M.D. (St. George School of Medicine)
RECKDENWALD, AMY, Assistant Professor of Sociology (2011), B.S., M.A., Ph.D. (University of Florida)
REDDI, LAKSHMI, N., Professor of Engineering and Chair (2003), B.S., M.S., Ph.D. (The Ohio State University), P.E (Kansas)
REDMON, MARIA, Instructor of Spanish (1989), B.A., M.A. (Universidad Complutense De Madrid)
REEDLY, ROBERT T., Professor of SVAD (1993), B.F.A., M.F.A. (University of Mississippi)
REID, MICHAEL, Associate Professor of Mathematics (2003), Ph.D. (Brown University)
REILLY, CHARLES H., Associate Dean of Academic Affairs, Professor of Industrial Engineering and Management Systems (1996), B.A., M.S., Ph.D. (Purdue University)
REINHART, DEBRA R., Professor Engineering, Assistant VP for Research and Commercialization (1989), B.S.E., M.S., Ph.D. (Georgia Tech), P.E. (Florida, Georgia)
RENK, KIMBERLY, Associate Professor of Psychology (2000), B.S., M.A., Ph.D. (University of South Florida)
REPETTI, TONI, A, Assistant Professor (2011), B.S., M.B.A., Ph.D. (University of Nevada)
REIN, MATTHEW, Lecturer of Chemistry (2011), B.S., Ph.D. (University of Central Florida)
REYES, MARIA, Associate Professor of Education (1997), B.A., M.S.Ed., Ph.D. (University of Florida)
REYES-CORTES, BEATRIZ M., Assistant Professor of Anthropology (2011), Ph.D. (University of California, Berkeley)
REYNOLDS, K. MICHAEL, Associate Professor of Criminal Justice (1997), B.A., M.P.A., Ph.D. (University of New Orleans)
REYNOSA, PAULA, Lecturer in Psychology (2003), B.S., M.A., Ph.D. (University of California, Irvine)
RYHNE, DEBORAH, Instructor of Criminal Justice (2010), Ed.D. (University of Central Florida)
RICCI, SUSAN, Instructor, College of Nursing (2006), M.S.N. (Catholic University of America)
RICE, STEPHANIE, Instructor of Communication (2005), B.S., M.A. (Vermont College)
RICHARDSON, ADELE, Instructor of Writing & Rhetoric (2008), B.A. (University of Central Florida)
RICHARDSON, DAVID, NMR Instrumentation Specialist (2010), B.S., Ph.D. (University of Florida)
RICHARDSON, GARY D., Professor of Mathematics and Statistics (1984), B.S., M.S., Ph.D. (North Carolina State University)
RICHARDSON, MARTIN, Professor of Optics (1990), B.S.C., A.R.C.S., Ph.D. (University of Arizona), Washington, D.C., University of Pennsylvania, Ph.D. (University of California, Irvine)
RICHE, SAMUEL M., Undergraduate Coordinator and Associate Professor Department of Electrical Engineering and Computer Science (1984), B.S.E., M.S.E., Ph.D. (University of Cincinnati, Florida)
RICO-SANZ, JESUS, Associate Professor of Health Professions (2007), B.S., M.S., Ph.D. (University of Copenhagen)
RIGGS, GARRETT, Assistant Professor of Neurology (2008), M.D., Ph.D. (University of Louisville)
RINALDUCCI, EDWARD J., Professor of Psychology (1986), B.A., M.A., Ph.D. (University of Rochester)
RINGFIELD, MELISSA, Instructor of Writing & Rhetoric (2010), B.A., M.A. (University of Central Florida)
RIVERA, FERNANDO, Associate Professor of Sociology (2005), B.A., M.A., Ph.D. (University of Nevada)
RIVERA, MANUEL, Assistant Professor (2011), B.A., M.S., Ph.D. (University of Central Florida)
RIVERS, KENYATTA O., Associate Professor of Communication Sciences and Disorders (1995), B.S., M.A., Ph.D. (University of Florida)
RIVERS, ROBERT H., JR, Professor of SVAD (1981), B.F.A., M.F.A. (University of Georgia)
RIZA, NABEEL A., Professor of EECS & Optics (1995), B.S., M.S., Ph.D. (California Institute of Technology)
RO, HEE JUNG, Assistant Professor of Hospitality Management (2007), B.S., M.S. (Statistics), M.S. (Hotel), Ph.D. (The Pennsylvania State University)
RO, SUN-MI, Assistant Professor of Music (2011), B.M., M.A., Ph.D. (University of Utah)
ROBB, SEAN W., Associate Professor of Accounting and Director, Kenneth G. Dixon School of Accounting (2005), B.A., M.A., Ph.D. (University of Florida), Chartered Accountant
ROBERTS, CHARLES, Vice-President, Development (2007), B.S. (University of the South)
ROBERTS, ROBIN W., Burnett eminent Scholar and Professor of Accounting (1998), B.B.A., M.B.A., Ph.D. (University of Arkansas)
ROBERTS, SHERRON KILLINGSWORTH, Associate Professor of Education (1987), B.S. Ed., M.Ed., Ed.D. (University of Arkansas)
ROBINSON, E. BRADY, Associate Professor of SVAD (2005), B.F.A., M.F.A. (Cranbrook Academy of Art)
ROBINSON, MATTHEW, Visiting Instructor of Health Sciences (2010), B.S., M.S. (East Carolina University)
ROCKMORE, B. WAYNE, Lecturer of Management (2001), B.S., M.S., Ph.D. (University of Georgia)
RODRIGUEZ-MILANES, CECILIA Y., Associate Professor of English (1999), B.A., M.A., D.A. (University at Albany, New York)
ROGERS, MELVIN, Associate Dean and Instructor of Public Administration (1996), B.S., M.S. (University of Nebraska)
ROHAE, KYLIE, ASSISTANT PROFESSOR (2012), Ph.D. (UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER)
ROHIE, SAM, Professor of Film (2004), B.A., M.A., Ph.D. (La Trobe University)
ROLLAN-CUENYA, BEATRIZ, Associate Professor of Physics and Secondary Joint Associate Professor of NanoScience Technology and Secondary Joint Associate Professor of Civil, Environmental, and Construction Engineering (2003), Ph.D. (Gerhard-Mercator University)
ROLLAND, JANNICK P., Professor of Optics, EECS, & Computer Science and Secondary Joint Professor of Medical Education (1996), B.S., Ph.D. (University of Arizona)
ROLLINS, DAVID K., Professor of Mathematics (1988), B.Sc., Ph.D. (California Institute of Technology)
ROMJUE, MARY K., Associate Professor of Education (1993), B.A., Ph.D. (University of Nebraska)
ROMPF, PAUL D., Director of Graduate Programs and Associate Professor of Hospitality Management (2002), B.S., M.B.A., Ph.D. (University of South Carolina)
RONEY, LISA C., Associate Professor of English (2002), B.A., M.A., Ph.D. (Pennsylvania State University)
RONKES, ROBERT, Visiting Lecturer of Mathematics (2011), B.S., M.S., Ph.D. (University of Delaware)
ROPPOLO, AARON, Specialist (2010), B.S., M.A. (University of Central Florida)
ROSS, DAVID GRAY, Executive in Residence and Instructor of Criminal Justice and Legal Studies (2006), BS, JD (The American University)
ROSS, LEE E., Associate Professor of Criminal Justice (2003), B.A., M.A., Ph.D. (Rutgers University)
ROSS, MARY JO, Assistant Professor of Hospitality Management (2004), B.S., M.A., Ph.D. (University of South Florida), C.S.E.P, C.P.C.E)
ROTARIUS, TIMOTHY M., Professor of Health Management & Informatics (1996), B.B.A., M.B.A., Ph.D. (Texas Tech University)
ROTHENBERG, MICHAEL, Instructor of Social Work (2006), M.S.W. (Adelphi University)
ROTHSCHILD, CAREY, Instructor of Physical Therapy (2009), PT, OCS, CSCS, DPT (Boston University)

ROTOLO, JOHN, Research Associate, FIEA (2005), B.S., M.B.A. (University of Phoenix)

ROUSSEAU, ANGELA, Assistant Professor of Writing & Rhetoric (2011), B.A., M.A., Ph.D. (University of Washington)

ROUSH, PAMELA B., Associate Professor of Accounting (1989), B.A., M.B.A., Ph.D. (Georgia State University)

ROVITO, MICHAEL, Instructor in Health Sciences (2011), Ph.D. (Temple University)

ROY, HERVE, ASSISTANT PROFESSOR (2011), Ph.D. (UNIVERSITY OF STRASBOURG)

RUDDY, BAR, Assistant Professor of Communication Sciences and Disorders (2001), B.A., M.A., Ph.D. (University of Florida)

RULAND, JUDITH P., Associate Professor, College of Nursing (2002), C.N.E., M.S.N., Ph.D. (State University of New York, Albany)

RUPERT, JEFFREY, Professor of Music (1995), B.M., M.M. (Rutgers University)

RUSHIN, PATRICK J., Associate Professor of Writing & Rhetoric (2002), B.M., M.M. (Rutgers University)

RUPERT, JEFFREY, Professor of Music (1995), B.M., M.M. (Rutgers University)

RUSHIN, PATRICK J., Associate Professor of Writing & Rhetoric (2002), B.M., M.M. (Rutgers University)

RUSNOCK, JOSEPH S., Associate Professor of Theatre (2005), B.A., M.F.A. (University of Central Florida)

RYALLS, JOHN N., Associate Professor of Education (2007), B.A., M.Ed., Ph.D. (Florida State University)

SADIR, SUDIPTA, Assistant Professor of Mechanical Engineering (2000), B.S., M.T, Ph.D. (Kansas State University)

SAFARNEK, WILLIAM, Assistant Professor of Military Science (2005), Ph.D. (Temple University of Medicine)

SAKHI, SAAD, Associate Professor of Ophthalmology (2009), M.D. (University of California)

SANDER, BARRY, Associate Professor of Film (2003), M.F.A. (CLARK)

SANDEOVAL, JENNIFER, Assistant Professor of Communication (2011), B.A., M.D.R., Ph.D. (The University of New Mexico)

SANTANA, MARIA C., Director of Women's Studies and Associate Professor of Digital Media (1995), B.A., M.A., Ph.D. (Temple University)

SANTRA, SWADESHMUKUL, Associate Professor of Nanoscience Technology and Joint Associate Professor of Chemistry (2005), B.S., M.S., Ph.D. (Indian Inst. Of Technology, Kanpur, India)

SAUNDERS, CAROL S., Professor of Management (2001), B.A., M.B.A., Ph.D. (University of Houston)

SAUNDERS, STEVEN, Lecturer in Psychology (2007), PsyD (Illinois School of Professional Psychology)

SCHACK-DUGRE, JUDI, Instructor of Physical Therapy (2006), B.S.P.T., M.B.A., D.P.T. (University of St. Augustine for Health Sciences)

SCHAFER, MARK, Professor of Political Science (2011), B.A., M.A., Ph.D. (Arizona State University)

SCHAFER, MARK, Professor of Political Science (2011), B.A., M.A., Ph.D. (Arizona State University)

SCHAFER, MARK, Professor of Political Science (2011), B.A., M.A., Ph.D. (Arizona State University)

SCHAFER, MARK, Professor of Political Science (2011), B.A., M.A., Ph.D. (Arizona State University)

SCHARRON, ELADIO, Assistant Professor of Music (1999), D.M.A. (Eastman School of Music)

SCHELLING, PATRICK K., Associate Professor of Physics and Secondary Joint Assistant Professor, Mechanical Materials, and Aerospace Engineering (2003), Ph.D. (University of Minnesota)

SCHIFF, CLAUDIA, Associate Professor of Humanities and Religion (2001), B.A., M.A., Ph.D. (Temple University)

SCHLIEF, WINSTON V., Professor of Optics (2004), B.S., Ph.D. (University of Florida)

SCHMITT, DONNA B., Associate Professor of Accounting (1997), B.B.A., Ph.D. (University of Florida)

SCHNITZLEIN, CHARLES R., Associate Professor of Finance (2002), B.S., M.S., Ph.D. (Washington University)

SCHOBER, CONSTANCE, Professor of Mathematics (2002), B.S., M.S., Ph.D. (University of Arizona)

SCHOFIELD, VINCENT, Assistant Professor of Optics (2004), B.S., Ph.D. (University of California)

SCHOTT, JAMES R., Professor of Statistics (1982), B.S., M.S., Ph.D. (University of Florida)

SCHOTT, SUSAN C., Instructor of Statistics (1992), B.S., M.S., Ph.D. (University of Florida)

SCHREIBER, JEANETTE, Associate Professor of Anthropology and Undergraduate Coordinator (2003), B.A., M.S., Ph.D. (University of Florida)

SCHUMACHER, PAUL, Assistant Professor of Surgery (2009), M.D. (University of Miami)

SCHULTZ, CATHERINE I., Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Pennsylvania, Bloomsburg)

SCHWARTZ, JAMIE, Assistant Professor of Communication Sciences and Disorders (1997), A.A., B.A., M.A., Ph.D. (University of Florida)

SCHWEITZER, DAVID O., Instructor of Communication (2000), B.A., M.Ed., Ph.D. (Florida State University)

SCHWEITZER, DAVID O., Instructor of Communication (2000), B.A., M.Ed., Ph.D. (Florida State University)

SCHWITZ, CATHERINE I., Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Pennsylvania, Bloomsburg)

SEAY, DONALD W., Professor of Theatre (1992), B.S., M.S., M.F.A., Ph.D. (Texas Tech University)

SEELEY, KATHERINE, Instructor of Education (2002), B.A., M.A. (Western Michigan University)

SELIG, ALBERT, Instructor of Writing & Rhetoric (2002), B.S., M.A., Ph.D. (University of Pennsylvania)

SELF, WILLIAM, Associate Professor (2009), B.S. (University of Florida)

SEMONE, MEREDITH C., Associate Librarian (1995), B.A., M.L.S. (University of Maryland)

SEPULVEDA, JOSE A., Associate Professor of Engineering (1981), B.S.Ch.E., M.S.I.E., M.P.H., Ph.D. (University of Pittsburgh, P.E. (Florida)

SEVERT, DENVER, Associate Professor of Hospitality Management (2003), B.B.A., MBA, Ph.D. (Virginia Polytechnic University)

SEVERT, KIMBERLY, Assistant Professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Wayne State University)

SIVAMOGGI, BHIMSEN, Professor of Mathematics (2006), B.S., M.S., Ph.D. (University of Colorado)

SHOOD, LINDEEY, Director of Debate and Instructor of Communication (2011), B.A., M.A. (University of Kansas)

SHORT, EDMUND, Associate Graduate Faculty of Education (1999), B.S., M.Ed., Ed.D. (Teachers College, Columbia University)

SHRAUGER, KRISTINE J., Head, Interlibrary Loan/Document Delivery and Assistant Librarian (2004), B.S., M.L.I.S. (University of Wisconsin)

SHUMAKER, RANDALL P., Director, Institute for Simulation & Training and Professor of Engineering (2002), Ph.D. (University of Pennsylvania)
UCF Faculty

SIDDIQI, SHADAB, Assistant Professor (2009), Ph.D. (Loughborough University)

SIEGFRIED, JUDY, Lecturer, Theatre (2005), S.F.A., M.F.A. (Texas Christian University)

SIGMAN, MICHAEL, Associate Professor of Chemistry (2002), B.S., Ph.D. (Florida State University)

S I K O R S K A - S I M M O N S , ELZBIETA, Associate Professor of Sociology (2002), M.A., Ph.D. (University of Maryland)

SIMAAN, MARWAN, (2010), Ph.D. (University of Central Florida)

SMITH, JO ANN, (1978), B.A., J.D. (Florida State University)

SIVO, STEPHEN A., Professor of Medicine and Research (2000), B.S., M.A., Ph.D. (University of Florida)

SINGH, DIPENDRA, Assistant Professor (2011), M.S., Ph.D. (University of Nevada, Las Vegas)

SINGLA, DINENDER, Associate Professor of Information Technology (2009), Ph.D. (Postgraduate Institute of Medical Education and Research)

SIVO, STEPHEN A., Associate Professor of Education (2000), B.A., M.A., Ph.D. (Franciscan University of Steubenville)

SKRIPKA, ANNA, Assistant Professor of Mathematics (2010), Ph.D. (University of Missouri)

SLAUGHTER, DAVID B., Legal Studies Program Director, Assistant Professor of Legal Studies (1978), B.A., J.D. (Florida State University)

SMITH, DONALD, Assistant Professor of Military Science (2008), B.S.

SMITH, EILEEN, Research Associate, SVA (2007), M.A. (University of Louisville)

SMITH, GERALD, Associate Professor of Physical Therapy (2004), Ph.D. (Medical College of Virginia, Virginia Commonwealth University)

SMITH, JO ANN, Assistant Professor of Public Administration (2010), Ph.D. (University of Central Florida)

SMITH, SCOTT, Instructor of Hospitality Management (2006), A.S., B.S., M.S. (University of Central Florida)

SMITH, SCOTT V., Instructor of Accounting (1998), B.S., M.B.A. (Loyola College)

SMITH, STANLEY D., Professor of Finance (1996), B.B.A., M.B.A., Ph.D. (Arizona State University)

SMITHER, JANAN A., Associate Professor of Psychology (1990), B.S., M.A., Ph.D. (Johns Hopkins University)


SNYDER, TARA, Assistant Professor of Theatre (2011), B.M., M.F.A. (University of Central Florida)

SOHN, YONG-HO, Associate Professor of Engineering (2001), Ph.D. (Purdue University)

SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECS (1987), B.S., M.S., Ph.D. (University of Southern California)

SOLE, MARY LOU, Professor, College of Nursing (1987), F.A.N., M.S.N., Ph.D. (University of Texas, Austin)

SOLONAKI, VLADIMIR, Associate Professor of History (2003), B.A., Ph.D. (Moscow State University)

SONG, HOJUN, Assistant Professor of Biological Sciences (2006), Ph.D. (Ohio State University)

SONG, ZIXIA, Associate Professor of Mathematics (2005), B.S., M.S., Ph.D. (Georgia Institute of Technology)

SOODER, KARL M., Instructor of Marketing (2001), M.B.A. (Columbia University)

SOSKIN, MARK D., Associate Professor of Economics, Daytona Campus (1988), B.A., Ph.D. (Pennsylvania State University)

SOTERO-ESTEVA, WALTER D., Instructor of Biology (2001), B.S., Ph.D. (University of California)

SPÄLDING, LEE-ANNE, Visiting Instructor of Education (2004), B.S., M.Ed. (University of Central Florida)

SPAMPANATO, PAUL, Visiting Instructor of Communication (2011), B.S., M.A. (State University of New York)

SPERE, LANCE, Visiting Instructor of Communication (2011), B.A., M.S. (Kansas State University)

SPENCER, STEVEN C., Instructor of SVAD (2003), B.S., M.F.A. (Louisiana State University)

SPINA, GRAZIA, Instructor of Italian (2002), B.A., M.A. (University of Genoa, Italy)


SPYERS-DURAN, PETER, Associate Librarian (1996), B.A., M.A.L.I.S. (University of South Florida)

ST. CLAIRE, SYBILL, Lecturer, Theatre (2005), B.A., M.A. (Antioch University)

STACK, ALLISON, Instructor of Writing & Rhetoric (2010), B.S., M.A. (University of Florida)

STANLEY, KENNETH, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Texas-Austin)

STANLEY, LOU, Instructor of Education (2003), B.S., M.Ed. (Nova University)

STANLICK, NANCY, Associate Professor of Philosophy, Assistant Dean of Research and Academic Issues (1999), B.A., M.A., Ph.D. (University of South Florida)

STAP, DONALD L., Professor of Engineering (1985), B.A., Ph.D. (University of Utah)


STEIN, JULIE, Assistant Professor of Social Work (2008), B.A., M.S.W., Ph.D. (Florida State University)

STEPHENSON, JOANNE, Associate Professor of Music (1984), B.M., M. M., D.M.A. (University of Illinois)

STEWART, TRAE, Associate Professor of Education (2005), B.A., M.S.Ed., M.S., Ph.D. (University of Southern California)

STOCK, AXEL, Associate Professor of Marketing (2003), M.S., Ph.D. (Purdue University)

STOECKL, ULA, Associate Professor of Film (2001), M.F.A., Graduate Diploma (Institut fuer Filmgestaltung (Hochschule fuer Gestaltung))

STOLBOV, SERGEY, Associate Professor of Physics (2006), M.S., Ph.D. (Rostove State University, Russia)

STORM, MARGO, Lecturer of Psychology (2010), B.A., Ph.D. (Temple University)

STRAWSER, MICHAEL, Assistant Professor of Philosophy (2002), B.A., M.A., Ph.D. (Florida State University)

STURM, RAY R., Lecturer of Finance (2006), B.A., M.S.T., Ph.D. (Florida Atlantic University)

SU, MING, Assistant Professor Nanoscience Technology Center (2009), B.S., M.S., Ph.D. (Northwestern University - Chicago, IL)

SU, RUI, Associate Professor of Public Administration (2011), Ph.D. (University of Maryland)

SUNDARAM, KALPATHY B., Professor Department of Electrical Engineering and Computer Science (1987), B.S., B.E., M.T., Ph.D. (Indian Institute of Technology, Bombay)

SURETT, RAYMOND B., Associate Professor of Criminal Justice (1995), B.S., M.S., Ph.D. (Florida State University)

SURENDA, KALPATHY B., Professor Department of Electrical Engineering and Computer Science (1987), B.S., B.E., M.T., Ph.D. (Indian Institute of Technology, Bombay)

SURETTE, RAYMOND B., Professor of Sport Management (2001), B.A. (Banaras Hindu University)

SUTTON, STEVE G., Chairholder, KPMG Professorship and Professor of Accounting (2005), B.S.A., M.A., Ph.D. (University of Missouri-Columbia)

SUTTON, WILLIAM A., Professor of Sport Business Management (2003), B.S., M.A., Ph.D. (Ohio State University)

SWANSON, JASON R., Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (University of Washington)

SWEENEY, ALDRIN, Associate Professor of Education (1997), Ph.D. (Florida State University)

SWEO, ROBERT, E., Lecturer of International Business (2006), B.A., M.A., Ph.D. (University of North Texas)

SYVOLT, TERRIE K., Associate Librarian (2001), B.A., M.L.S. (University of Pittsburgh)

SZALMA, JAMES, Assistant Professor of Psychology (2006), B.S., M.A., Ph.D. (University of Cincinnati)

SZENTE, JUDIT, Assistant Professor of Education (2005), B.A., M.Ed., Ph.D. (University of Buffalo)

SZYMANSKI, ROBERT J., Instructor of Management Information Systems (2002), B.S., MBA (Boston College)

TALBERT, STEVEN, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Kentucky)

TAMASAN, ALEXANDRU, Associate Professor of Mathematics (2005), B.S., M.S., Ph.D. (University of Washington)

TAN, HUA XIANG, Professor of Theatre (1997), B.A., M.F.A. (Utah State University)

SUMNER, SCOTT, Associate Dean, Administration and Finance, College of Medicine (2007), M.B.A. (University of Florida)

SUN, QIYU, Associate Professor of Mathematics (2003), B.S., Ph.D. (Hangzhou University)

SUN, RUI, Assistant Professor of Public Administration (2011), Ph.D. (University of Maryland)

TAMASAN, ALEXANDRU, Associate Professor of Mathematics (2005), B.S., M.S., Ph.D. (University of Washington)

TAN, HUA XIANG, Professor of Theatre (1997), B.A., M.F.A. (Utah State University)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title / Academic Position</th>
<th>University or Institution</th>
<th>Degree(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>THORNTON, ROBERT</td>
<td>Professor of Spanish</td>
<td>Florida State University</td>
<td>(2006), B.S., M.Ed. (University of Central Florida)</td>
</tr>
<tr>
<td>THOMPSON, ANTHONY</td>
<td>Director of Development</td>
<td>Florida State University</td>
<td>(2000), B.A., M.Ed. (University of Central Florida)</td>
</tr>
<tr>
<td>THOMPSON, BRENDA</td>
<td>Academic Administrator</td>
<td>Florida State University</td>
<td>(2006), B.S., M.Ed., Ed.D. (Florida State University)</td>
</tr>
<tr>
<td>THOMPSON, GREGORY</td>
<td>Assistant Professor of Spanish</td>
<td>Arizona State University</td>
<td>(2006), B.A., M.A., Ph.D. (University of Arizona)</td>
</tr>
<tr>
<td>THOMPSON, WILLIAM J.</td>
<td>Undergraduate Coordinator, Associate Professor of Engineering</td>
<td>California State University</td>
<td>(1995) B.S., M.S., Ph.D. (Arizona State University)</td>
</tr>
<tr>
<td>THORNTON, ROBERT</td>
<td>Instructor of Music</td>
<td>Indiana University</td>
<td>(2002), M.M. (Indiana University)</td>
</tr>
<tr>
<td>TIAN, SUJIN</td>
<td>Assistant Professor of Accounting</td>
<td>University of Technology</td>
<td>(2011), B.A., MACC., Ph.D. (University of South Carolina)</td>
</tr>
<tr>
<td>TINSLEY, MAUREEN</td>
<td>Visiting Instructor of Education</td>
<td>Florida State University</td>
<td>(2006), B.S., M.Ed. (University of Central Florida)</td>
</tr>
<tr>
<td>TOBIAS, SCOTT</td>
<td>Assistant Professor of Music</td>
<td>Texas A&amp;M University</td>
<td>(2011), B.M., M.M., D.M.A. (University of Georgia)</td>
</tr>
<tr>
<td>TOBOY, SUSAN</td>
<td>Courtesy Instructor of Nursing</td>
<td>Florida State University</td>
<td>(2009), AA, BA, MS (University of Central Florida)</td>
</tr>
<tr>
<td>TODD, ANDREW D.</td>
<td>Assistant Librarian</td>
<td>Tulane University</td>
<td>(2004), B.S., B.N.L.I.S. (University of South Florida)</td>
</tr>
<tr>
<td>TOLLFSON, KRISTINA</td>
<td>Associate Professor of Theatre</td>
<td>Florida State University</td>
<td>(2000), B.A., M.F.A. (Purdue University)</td>
</tr>
<tr>
<td>TONG, MIN</td>
<td>Assistant Librarian</td>
<td>Florida State University</td>
<td>(2008), B.A., M.A. (University of British Columbia)</td>
</tr>
<tr>
<td>TONNER, BRIAN P.</td>
<td>Professor of Physics</td>
<td>Pennsylvania State University</td>
<td>(1999), B.Sc., M.Sc., Ph.D. (University of Pennsylvania)</td>
</tr>
<tr>
<td>TOVIBIS, ALEXANDER</td>
<td>Professor of Mathematics</td>
<td>Tulane University</td>
<td>(1996), M.S., Ph.D. (University of Virginia)</td>
</tr>
<tr>
<td>TOYNE, J. MARLA</td>
<td>Assistant Professor of Anthropology</td>
<td>Tulane University</td>
<td>(2011), B.A., M.A., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>TROQUET, CHARLOTTE</td>
<td>Assistant Professor of French</td>
<td>Tulane University</td>
<td>(2007), M.A., Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>TRIPP, MARY</td>
<td>Instructor of Writing &amp; Rhetoric</td>
<td>Florida State University</td>
<td>(2000), B.A., M.A. (Rollins College)</td>
</tr>
<tr>
<td>TROMPETTER, GREGORY</td>
<td>Professor of Accounting</td>
<td>Tulane University</td>
<td>(2008), B.S., M.B.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>TROUARD, DAWN</td>
<td>Professor of English</td>
<td>Texas A&amp;M University</td>
<td>(1997), B.A., M.A. (Rice University)</td>
</tr>
<tr>
<td>TUCKER, JENNIFER</td>
<td>Instructor of Physical Therapy</td>
<td>Tulane University</td>
<td>(2008), B.S., M.S., Ph.D. (University of Texas)</td>
</tr>
<tr>
<td>TURCU, ANCA</td>
<td>Lecturer of Political Science</td>
<td>Tulane University</td>
<td>(2009), B.A., M.A. (University of Texas - Dallas)</td>
</tr>
<tr>
<td>TURGUT, DAMLA</td>
<td>Associate Professor Department of Electrical Engineering and Computer Science</td>
<td>Tulane University</td>
<td>(2004), B.A., M.S. (PhD University of Texas at Arlington)</td>
</tr>
<tr>
<td>UDDIN, NIZAM</td>
<td>Professor of Statistics</td>
<td>Tulane University</td>
<td>(2001), B.Sc., M.Sc., Ph.D. (Old Dominion University)</td>
</tr>
<tr>
<td>UNDERBERG, NATALIE</td>
<td>Associate Professor of SVAD</td>
<td>Tulane University</td>
<td>(2009), B.A., M.A. (Indiana University)</td>
</tr>
<tr>
<td>UNDERWOOD, NORA</td>
<td>Instructor of Economics</td>
<td>Tulane University</td>
<td>(2003), B.A., Ph.D. (University of California, Davis)</td>
</tr>
<tr>
<td>UNRUH, LYNN Y.</td>
<td>Professor of Health Management &amp; Informatics</td>
<td>Tulane University</td>
<td>(2000), R.N., B.N.S., M.A. (University of Notre Dame)</td>
</tr>
<tr>
<td>UTT, HAROLD A.</td>
<td>Assistant Professor of Communication Sciences and Disorders</td>
<td>Tulane University</td>
<td>(1981), B.S., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>UTTICH, LAURIE</td>
<td>Instructor of English</td>
<td>University of Central Florida</td>
<td>(2009), B.S., M.F.A. (University of Central Florida)</td>
</tr>
<tr>
<td>VADAKKEPATT, GAUTHAM</td>
<td>Assistant Professor of Marketing</td>
<td>Texas A&amp;M University</td>
<td>(2010), B.Tech., M.E., M.S., Ph.D. (Texas A&amp;M University)</td>
</tr>
<tr>
<td>VAIJREJALU, RANI</td>
<td>Instructor of Biology</td>
<td>Florida State University</td>
<td>(2008), M.S., Ph.D. (University of Padra)</td>
</tr>
<tr>
<td>VAIJREJALU, KUPPALAPALLE</td>
<td>Professor of Mathematics and Mechanical and Aerospace Engineering</td>
<td>Florida State University</td>
<td>(1984), B.A., M.S., Ph.D. (Indian Institute of Technology)</td>
</tr>
<tr>
<td>VALDES, ANNA</td>
<td>Instructor of Education</td>
<td>Florida State University</td>
<td>(2006), B.S., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>VALDEZ, CARLOS</td>
<td>Lecturer of Marketing</td>
<td>Florida State University</td>
<td>(2005), B.S., MBA, Master in Marketing, Ph.D. (Tecnologico de Monterrey at Monterrey Mexico)</td>
</tr>
<tr>
<td>VAN DEMARK, CHERYL</td>
<td>Visiting Instructor</td>
<td>Florida State University</td>
<td>(2010), B.A., M.S., Ed.D. (University of Central Florida)</td>
</tr>
<tr>
<td>VAN STRYLAND, ERIC</td>
<td>Professor of Optics &amp; EECS</td>
<td>Florida State University</td>
<td>(1987), B.S., Ph.D. (University of Arizona)</td>
</tr>
<tr>
<td>VARNYCKEGHEM, MARTINE</td>
<td>Professor of Communication and Sciences</td>
<td>Florida State University</td>
<td>(1994), B.S., M.S., Ph.D. (Southern Illinois University)</td>
</tr>
<tr>
<td>VARCHOLIK, PAUL</td>
<td>Research Associate, FIA</td>
<td>Florida State University</td>
<td>(2011), B.A., M.S., Ph.D. (University of Central Florida)</td>
</tr>
<tr>
<td>VASQUEZ, ELEAZAR</td>
<td>Assistant Professor</td>
<td>Florida State University</td>
<td>(2009), B.S., M.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>VASQUEZ, JOSEPH PAUL</td>
<td>Lecturer of Political Sciences</td>
<td>Florida State University</td>
<td>(2011), B.A., M.A., Ph.D. (University of Notre Dame)</td>
</tr>
<tr>
<td>VEIT, MARCIA R.</td>
<td>Instructor of Accounting</td>
<td>Florida State University</td>
<td>(1979), B.A., M.B.A. (University of Arkansas)</td>
</tr>
<tr>
<td>VELIZ-SOTO, HILAURME</td>
<td>Visiting Instructor of Spanish</td>
<td>Florida State University</td>
<td>(2010), B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>VELISSARIS, CHRISTOS</td>
<td>Lecturer of Physics</td>
<td>Florida State University</td>
<td>(2008), M.S., Ph.D. (University of Rochester)</td>
</tr>
<tr>
<td>VENECZ, JOHN T.</td>
<td>Assistant Professor</td>
<td>Florida State University</td>
<td>(2008), B.A., M.S.L.I.S. (University of Illinois)</td>
</tr>
<tr>
<td>VERDUN, MARCY</td>
<td>Assistant Dean for Students and Associate Professor of Psychiatry</td>
<td>Florida State University</td>
<td>(2007), M.D. (University of Florida)</td>
</tr>
<tr>
<td>VESTER, JENNIFER L.</td>
<td>Associate Professor of Philosophy and Humanities</td>
<td>Florida State University</td>
<td>(2005), B.A., M.A., Ph.D. (University of California, Berkeley)</td>
</tr>
<tr>
<td>VIEUX, ANDREA</td>
<td>Assistant Professor of Political Science</td>
<td>Florida State University</td>
<td>(2011), B.G.S., M.A., Ph.D. (University of Kansas)</td>
</tr>
<tr>
<td>VILLASUENEGHELFA, CELESTINO A</td>
<td>Associate Professor of Spanish</td>
<td>Florida State University</td>
<td>(1999), B.A., M.A., Ph.D. (The Florida International University)</td>
</tr>
<tr>
<td>VITANOVA, GEGANA</td>
<td>Associate Professor of TESOL</td>
<td>Florida State University</td>
<td>(2003), B.A., M.A., Ph.D. (University of Cincinnati)</td>
</tr>
<tr>
<td>VON KALM, LAURENCE H.</td>
<td>Associate Professor of Biology</td>
<td>Florida State University</td>
<td>(1996), B.S., Ph.D. (Monash University, Australia)</td>
</tr>
<tr>
<td>VONHOLLE, MARY B.</td>
<td>Assistant Professor of Physical Therapy</td>
<td>Florida State University</td>
<td>(2007), B.S., Ph.D. (University of Tennessee at Knoxville)</td>
</tr>
<tr>
<td>WAHID, PARVEEN F.</td>
<td>Professor Department of Electrical Engineering and Computer Science</td>
<td>Florida State University</td>
<td>(1994), B.S., M.S., Ph.D. (Indian Institute of Science, Bangalore)</td>
</tr>
<tr>
<td>WALLER, EZEKIEL A.</td>
<td>Associate Professor of History</td>
<td>Florida State University</td>
<td>(1998), B.A., M.A., Ph.D. (Michigan State University)</td>
</tr>
<tr>
<td>WALLER, JOHN H.</td>
<td>Professor of Anthropology</td>
<td>Florida State University</td>
<td>(2006), B.A., Ph.D. (University of Pennsylvania)</td>
</tr>
<tr>
<td>WALLACE, DAVID L.</td>
<td>Professor and Chair of Writing &amp; Rhetoric</td>
<td>Florida State University</td>
<td>(2002), B.A., M.A., Ph.D. (Carnegie Mellon University)</td>
</tr>
<tr>
<td>WALLS, DOUGLAS</td>
<td>Assistant Professor of Writing &amp; Rhetoric</td>
<td>Florida State University</td>
<td>(2011), B.A., M.A., Ph.D. (Michigan State University)</td>
</tr>
<tr>
<td>WALSH, MARALEE</td>
<td>Instructor of Social Work</td>
<td>Florida State University</td>
<td>(2007), B.S., M.S.W, PhD (Fordham University)</td>
</tr>
<tr>
<td>WALTERS, CYNTHIA</td>
<td>Instructor of Education</td>
<td>Florida State University</td>
<td>(2007), B.S., M.Ed. (A Quinnas College)</td>
</tr>
<tr>
<td>WALTERS, LARRY</td>
<td>Clinical Professor and Director of Graduate Internships</td>
<td>Florida State University</td>
<td>(2005), M.H.A. (Duke University)</td>
</tr>
</tbody>
</table>
WALTERS, LINDA J., Interim Director for the Women’s Research Center, and Professor of Biology (1996), B.S., M.S., Ph.D. (University of South Carolina)

WALTERS, LORI, Assistant Professor of History (2003), B.A., M.A., Ph.D. (Florida State University)

WALTON, DEDEA, Electronic Resources Librarian, College of Medicine (2009), M.L.S. (Texas Woman’s University)

WAN, THOMAS, Associate Dean of Research in COPHA and Professor of Health Management & Informatics (2003), Ph.D. (University of Georgia)

WANG, ALVIN Y., Research in COPHA and Professor of Theatre (2003), M.F.A. (University of California, South Carolina) and Professor of Biology (2003), B.A., M.F.A. (University of North Carolina, Greensboro)

WANG, DING BAO, Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)

WANG, DING BAO, Assistant Professor of Engineering (2010), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

WANG, JUN, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Cincinnati)

WANG, MORGAN CHUNG-CHING, Professor of Statistics (1991), B.S., M.S., Ph.D. (Iowa State University)

WANG, XIAO HU, Assistant Professor of Public Administration (1997), B.A., M.A., Ph.D. (Florida International University)

WANG, YOUNG, Associate Dean of Academic Affairs and Research, Associate Professor of Hospitality Management (2003), M.A.O.P., M.S., Ph.D. (University of Illinois at Urbana)

WANG, ZE, Assistant Professor of Marketing (2010), B.B.A., Ph.D. (Kansas University)

WARDLE, ELIZABETH, Associate Professor of Writing & Rhetoric (2006), B.A., M.A., Ph.D. (Iowa State University)

WAREN, WARREN, Visiting Assistant Professor of Sociology (2010), B.A., M.A., Ph.D. (Texas A&M University)

WARFIELD, SCOTT, Associate Professor of Music (2002), Ph.D. (University of North Carolina at Chapel Hill)

WARING, SCOTT, Assistant Professor of Education (2005), B.S., M.A., Ph.D. (University of Virginia)

WATKINS, R. CORY, Associate Professor of Criminal Justice (1998), B.S., M.S., Ph.D. (University of Cincinnati)

WEBER, DEBORAH, Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

WEATHER, EDDIE D., Associate Professor of Theatre (2003), M.F.A. (University of California, Irvine)


WEAVEL, WILLIAM C., Associate Professor of Real Estate (1990), B.S., M.B.A., Ph.D. (Georgia State University)

WEEKS, ARTHUR, Associate Professor Department of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (University of Central Florida)

WEGNER, HARRY, Graduate Coordinator and Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of Arizona)

WEGMANN, SUSAN, Associate Professor of Education (2005), B.A., M.A. Ph.D. (University of Florida)

WEI, L., Associate Professor Department of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D (University of South Africa)

WEIGEL, GREGORY, Instructor (2006), M.S. (University of Central Florida)

WEINSTEIN, PATRICIA, Assistant Professor, College of Nursing (2009), M.S.N., Ph.D. (University of Central Florida)

WEISHAMPEL, JOHN, Professor of Biology (1995), B.S., M.A., Ph.D. (University of Virginia)

WELCH, JUDITH K., Associate Professor of Accounting (1988), B.A., M.B.A., Ph.D. (Florida State University)

WERMCHUK, GEORGE, Associate Professor of Music (1998), D.M.A. (University of Miami)

WEST, LAWRENCE, Associate Professor in Health Management & Informatics (1996), B.A., M.B.A., Ph.D. (Texas A&M University)

WHEELER, SANDRA, Instructor of Anthropology (2011), PhD (University of Western Ontario)

WHITE, ROSEANN S., Associate Dean of Burnett School of Biomedical Sciences, Professor Emeritus (1969), Ph.D. (University of Texas S.W. Medical School)

WHITE, VIBERT L., Associate Professor of History (2003), B.A., M.A., Ph.D. (Ohio State University)


WHITE, JAMES D., Professor of Electrical Engineering and Computer Science (1999), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

WHITE, NANCY, Assistant Professor of Education (2005), B.S., M.Ed., Ed.S., Ph.D. (University of Florida)

WITHERS, JACQUELINE, Instructor of Social Work (2010), B.S.W., M.S.W. (Florida State University)

WITTER, ELEANOR L., Associate Professor of Education (1999), A.B., M.Ed., Ph.D. (Virginia Polytechnic Institute)

WOJCIK, PAWS, Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Pennsylvania)

WONG, KARLA, Assistant Professor of Hospitality Administration (1987), A.R.N.P., Ed.D. (University of Central Florida)


WISE, WILLIAM, Associate Professor of Engineering (1998), B.A., M.Ed., Ed.S., Ph.D. (University of Arizona)

WITCZUK, PAWEL, Instructor of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Karlsruhe)


WOLFE, JESSE, Lecturer of Film (2003), B.A., M.F.A. (American Film Institute)

WOOD, ROBERT, Assistant Professor of Legal Studies (2003), B.F.A., M.A., J.D. (Tulane)

WOOY, ANN MARIE, Associate Professor of Finance (1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)

WONING, CHERYL, Instructor of Education (1999), B.A., M.A. (University of Northern Colorado)

WOPFNER, WILFRED, Professor of Education (1998), B.S., M.S., Ed.D. (University of Northern Colorado)

WILFORD, BUCKLEY, Senior Training NCO (2010)

WILKINSON, MICHAEL, Assistant Professor of Music (2011), B.M., M. M. (Arizona State University)

WILLIAMS, LAURA, Courtesy Instructor of Nursing (2009), AA, BSN, MSN (University of Central Florida)

WILLIAMS, KARRI J. FJELDBY, Associate Professor of Education (1984), B.S., M.Ed., Ph.D. (University of Arizona)

WILLIAMS, KENT E., Associate Professor of Engineering (1998), B.A., M.A., Ph.D. (University of Connecticut)

WILSON, BRUCE M., Professor of Political Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)

WILSON, NANCY, Assistant Professor of Education (2005), B.S., M.Ed. (University of Illinois at Chicago)

WINK, DIANE M., College Professor of Nursing (1987), A.R.N.P., Ed.D. (University of Central Florida)


WISE, WILLIAM, Associate Faculty of Education (1998), B.A., M.Ed., Ed.S., Ph.D. (University of Florida)

WITTEN, JACQUELINE, Instructor of Social Work (2010), B.S.W., M.S.W. (Florida State University)

WYATT, MARY E., Associate Professor of SVAD (1999), B.D.A.E., M.F.A. (Florida State University)

XU, CHENGYING, Assistant Professor of Engineering (2007), Ph.D. (Purdue University)

XU, LIHUA, Instructor/Coordinator (2010), B.A., M.A., Ph.D. (Georgia Institute)

XU, YUNJUN, Assistant Professor of Engineering (2008), Ph.D. (University of Florida)

YAN, YAN, Associate Professor of Health Management & Informatics (1996), B.S., M.S., Ph.D. (University of California, Davis)

YE, JINDONG, Assistant Professor of Chemistry (2009), B.S., Ph.D. (University of Chicago)

YONETANI, AYAKO, Professor of Music (1993), B.M., M.M., D.M.A. (Juilliard School of Music)

YONG, JIONGMIN, Professor of Mathematics (2003), B.S., M.S., Ph.D. (Purdue University)

YOUNG, BETH RAPP, Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Southern California)
ZHANG, YING, Ph.D. (University of California, San Diego) 2008, B.S., M.S., Ph.D. (University of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor of History 2005, B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Associate Professor of Electrical and Computer Science 2010, B.S., M.S., Ph.D. (University of Michigan)

ZHANG, HUSSEN, Assistant Professor of Engineering 2010, B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, HONG, Assistant Professor of History 1996, B.A., M.A., Ph.D. (University of Arizona)

ZHANG, HUSSIN, Assistant Professor of Engineering 2010, B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Assistant Professor of Health Services Administration 2003, Ph.D., M.D. (Virginia Commonwealth University/Medical College of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor School of Electrical Engineering and Computer Science 2008, B.S., M.S., Ph.D. (University of California, San Diego)

ZHANG, YING, Associate Librarian 1996, B.A., M.A.L.I.S. (University of South Florida)

ZHANG, ZHI, Associate Professor 2010, Ph.D. (Tohoku University)

ZHENG, YUN, Assistant Professor of Computer Science 2005, B.S., M.S., Ph.D. (University of Florida)

ZHFANG, HONG, Associate Professor of History 1996, B.A., M.A., Ph.D. (University of Arizona)

ZHAO, JIE, Associate Professor 2010, Ph.D. (Tokoh University)

ZHAO, YUE, Professor of Mathematics 1999, B.S., M.S., Ph.D. (Ohio State University)

ZHANG, YING, Ph.D. (University of California, San Diego) 2008, B.S., M.S., Ph.D. (University of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor of History 2005, B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Associate Professor of Electrical and Computer Science 2010, B.S., M.S., Ph.D. (North Carolina State University)

ZHOU, HUIYANG, Professor School of Electrical Engineering and Computer Science 2003, B.S., M.S., Ph.D. (North Carolina State University)

ZHOU, HUIYANG, Associate Professor of Mathematics 2010, Ph.D. (University of Missouri)

ZOU, CHEN, Assistant Professor of Computer Science 2005, B.S., M.S., Ph.D. (University of Massachusetts)

ZOU, SHENGLI, Assistant Professor of Physics 2005, B.A., M.S., Ph.D. (Emory University)

ZYGOURIS-COE, VICKY, Associate Professor of Education 1999, B.S., M.A. Ed.D. (University of London)

YUN, HAE-BUM, Professor Emeritus of Mathematics 2011, B.A., M.A., Ph.D. (Florida State University)

YOUNG, MARK, Professor of Education 1999, B.A., M.S., Ph.D. (Miami University)

YUN, JIAN S., Professor of Electrical Engineering and Computer Science 1989, B.S., M.S., Ph.D. (University of Southern California, Los Angeles)

ZAHO, MARGARET, Assistant Professor of SVAD 2005, B.A., M.A., Ph.D. (University of Washington)

ZAJAC, JANET, Instructor of Education 2006, B.S., M.S. (Buffalo State College)

ZELDOVICH, BORIS, Professor of Physics 1994, B.Sc., M.Sc., Ph.D. (Lebedev Physics Institute)

ZEMLJANSKY, PAVEL, Associate Professor of Writing & Rhetoric 2011, B.A., M.A., Ph.D. (Florida State University)

ZENGHU, CHANG, Distinguished Professor of Physics 2009, BE, MS, PhD (Chinese Academy of Science)

ZERVO, TONY, Professor 1999, Ph.D. (University of London)

ZHAI, LEI, Associate Professor of Nanoscience Technology and Joint Associate Professor of Chemistry 2005, B.S., M.S., Ph.D. (Cambridge Melon University)

ZHANG, HONG, Associate Professor of History 1999, B.A., M.A., Ph.D. (University of Arizona)

ZHANG, HUSSIN, Assistant Professor of Engineering 2010, B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Assistant Professor of Health Services Administration 2003, Ph.D., M.D. (Virginia Commonwealth University/Medical College of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor School of Electrical Engineering and Computer Science 2008, B.S., M.S., Ph.D. (University of California, San Diego)

ZHANG, YING, Associate Librarian 1996, B.A., M.A.L.I.S. (University of South Florida)

ZHAO, JIE, Associate Professor 2010, Ph.D. (Tokoh University)

ZHAO, YUE, Professor of Mathematics 1999, B.S., M.S., Ph.D. (Ohio State University)

ZHANG, YING, Ph.D. (University of California, San Diego) 2008, B.S., M.S., Ph.D. (University of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor of Mathematics 2010, Ph.D. (University of Missouri)

ZOU, CLIFF, Assistant Professor School of Electrical Engineering and Computer Science 2005, B.S., M.S., Ph.D. (University of Massachusetts)

ZOU, SHENGLI, Assistant Professor of Chemistry 2006, B.A., M.S., Ph.D. (Emory University)

ZYGOURIS-COE, VICKY, Associate Professor of Education 1999, B.S., M.A. Ed.D. (University of London)
Faculty and Administration Emeriti


EHRHART, LLEWELLYN M., Pegasus Professor and Professor Emeritus of Biology (1969), A.B., Ph.D. (Cornell University)

ELLIS, LESLIE L., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (University of Oklahoma)

ENO, BURTON E., Professor Emeritus of Engineering (1979), B.S., M.S., Ph.D. (Cornell University), P.E. (Florida)

ESLER, WILLIAM K., Professor Emeritus of Education (1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University)

EVANS, THOMAS G., Professor Emeritus of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University)

FEDLER, FREDERIC E., Professor Emeritus of Communication (1971), B.S., M.A.,Ph.D. (University of Minnesota)


FLICK, ROBERT G., Professor Emeritus of Humanities (1968), B.S., M.A., Ph.D. (University of Florida)

FORD, ROBERT C., Professor Emeritus, Management (1993), B.A., M.B.A., Ph.D. (Arizona State University)

FREDERICK, TERRY J., Professor Emeritus, Film and Digital Media, and Distinguished Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin)

GENNARO, ROBERT N., Associate Director, Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1970), Ph.D. (Texas A&M University)

GILSON, RICHARD, Professor Emeritus, Psychology (1985), B.S., M.S., Ph.D. (Princeton University)

GRiffITH, HAROLD L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)


HICKEY, TERRY L., Provost and Executive Vice President Emeritus (2003), B.A., M.A., Ph.D. (University of Miami)

HIEBER, E. RAMON, Professor Emeritus of Engineering (1976), B.Ch.E., M.S., Ph.D. (University of Illinois), P.E. (Florida)

HOSNI, DJEHANE, Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)

HOSNI, YASSER A., Professor Emeritus of Engineering (1976), B.S.M.E., M.S., Ph.D. (University of Arkansas), P.E. (Florida)

HUEGGLESTON, THOMAS, JR, Vice President Emeritus for Marketing, Communications and Admissions (1993), B.S., M.S., Ed.D. (Florida State University)

HUDSON, PHYLLIS J., University Librarian Emeritus (1972), B.A., M.S.L.S. (University of Illinois)

HYNES, MICHAEL C., Professor Emeritus of Education (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)


JOHNSON, WILLIAM H., Professor Emeritus of Education (1986), B.S., M.Ed., Ph.D. (Kent State University)

JONES JR., HALSEY R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)

JUGE, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Arkansas)

KERSTEN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)

KIJUK, JEAN C., Associate Professor Emerita, Nursing (1985), B.S.N., M.A., Ph.D. (New York University)

KOENVEN, JAMES L., Professor Emeritus of Biology (1971), B.A., M.A., Ph.D. (University of Iowa)

KUHN, DAVID T., Professor Emeritus of Biology (1970), B.A., M.S., Ph.D. (Arizona State University)

KUO, SHIOW-SAN, Professor Emeritus of Engineering (1981), B.S., M.S., Ph.D. (Michigan State University), P.E. (Florida)


LECKIE-REED, SHIRLEY A., Professor Emeritus of History (1985), B.A., M.A., Ph.D. (University of Toledo)

LIEBERMAN, LESLIE, Professor Emerita, Anthropology (2001), B.A., M.A., Ph.D. (University of Connecticut)

LILIE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., Ph.D. (Johns Hopkins University)

LOTZ, STEVEN D, Professor Emeritus of Art (1968), B.A., M.F.A. (University of Florida)

MADSEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)

MALONE, LINDA C., Professor Emeritus of Engineering Science (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)


MATHews, BRUCE E., Professor Emeritus of Engineering (1969), B.S.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

MATTSON, GUY C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)

McBRAYER, JAMES D., Professor Emeritus of Engineering (1989), B.S.A.E., M.S., Dipl., D.Sc. (Washington University), P.E. (Florida, Missouri, Ohio)

MCGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)

McLELLON, WALDRON, Professor Emeritus of Engineering (2008), B.S., B.C.E., M.C.E., M.S. (Physics), M.S. (Env. Engr.), Ph.D. (Rensselaer Polytechnic Institute)

MICARELLI, CHARLES N., Dean and Professor Emeritus of Foreign Languages and Literatures (1967), B.A., M.A., Ph.D. (Boston University)

MILLER, ERNEST E., Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (University of North Dakota)

MORGAN, BEN B., JR, Professor Emeritus of Psychology (1988), B.A., M.A., Ph.D. (University of Louisville)

MORSE, LUCY C., Associate Professor Emeritus of Engineering Technology (1983), B.A., M.S., Ph.D. (University of Central Florida)

MUKHERJEE, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of Calcutta)

MULLIN, THOMAS A., Associate Professor Emeritus of Communication Science and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)

NICHOLSON, DAVID W., Professor Emeritus, Mechanical, Materials, and Aerospace Engineering (1993), B.S., M.S., M.Phil., Ph.D. (Yale University)

O'KEEFE, M. TIMOTHY, Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)

OMANS, STUART E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)

OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


PANOUSIS, PETER, Dean Emeritus, College of Sciences (2005), B.S., M.B.A., Ph.D. (Michigan State University)

PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PAWLAS, GEORGE E., Professor Emeritus, Teaching, Learning, and Leadership (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

PHILLIPS, RONALD L., Professor Emeritus of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E. M.M (Indiana University)

PLATT, JENNIFER C., Professor Emerita, Child, Family, and Community Sciences (1985), B.S., M.S., Ed.D. (West Virginia University)

PRITCHARD, ROBERT D., Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRIYOR, ALBERT, Professor Emeritus of Biology (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 of Communication Sciences and Disorders (1968), 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)

COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2006). Ph.D. (Texas A&M University, College Station)

AGUIRRE, LILIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)

A N A G N O S T O P O U L O S, GEORGIOS, Courtesy Assistant Professor (2007), PSP, M.S. (University of Central Florida)

ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D. (University of London)

BAKER, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)

B AS U, SAPTARSHI, Courtesy Faculty (2010), Ph.D., M.S., B.E. (University of Connecticut)

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawaii at Manoa)

BELLOW, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)

BETTINGER, TAMARA, Assistant Professor of Biology (2003), Oklahoma State University

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopedic Medicine/DO (Philadelphia College of Osteopathic Medicine)

BONDAR, MYKHAILO, Visiting Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)

BOWMAN, REED, Courtesy Faculty (2010), Ph.D., M.S., B.A. (University of South Florida)

BRANCH, LEONARD, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Kansas)

B R U N E L L, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)

CHALHAVI, ALI, Courtesy Associate Professor of Neurosurgery (2005)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, PhD (Cornell University)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)

CHITTIK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), B.S., M.D. (University of California, Berkeley)

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)

COFFEY, KEVIN, Secondary Joint Professor of Department of Electrical Engineering and Computer Science (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)

DEATON, JOHN, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)

DeFREES, DUANE, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability, (2008), B.A., M.S., Ph.D. (Florida Institute of Technology)

DEMARA, RONALD F., Secondary Joint Associate Professor, School of Computer Science (2004), B.S., M.S., Ph.D. (University of Southern California)

DEMPSEY-WALLS, SUSAN, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of California at Los Angeles)

DEYRUP, MARK, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)

DHERE, NEELKANTH, Research Professor of Mechanical Engineering and Secondary Joint Professor of Electrical Engineering and Secondary Joint Professor of Materials Science and Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)

DIVO, EDUARDO, Courtesy Faculty (2010), Ph.D., M.S. (University of Central Florida)

DOGARIU, ARISTIDE, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)

DOLD, CHRISTOPHER, Courtesy Researcher (2010), DVM, B.S. (University of Wisconsin)

DOLSEK, MICHELLE, Courtesy Clinical Assistant Professor of Psychology (2009), BS, MA, PhD (University of Alabama at Birmingham)

DOUKA, S. MICHAEL A., Courtesy Professor of Health Services Administration; Courtesy Professor of Internal Medicine (2008), B.A., M.P.A., M.D. (Johns Hopkins School of Medicine, Baltimore)

SCOTT JR., DAVID F., Professor Emeritus of Finance (1982), B.S.B.A., M.B.A., Ph.D. (University of Florida)

SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (Arizona State University)

SHOFNER, JERRELL H., Professor Emeritus of History (1969), B.A., M.A., Ph.D. (Florida)

SHERWOOD, HOWARD, Associate Professor Emeritus of Communication (1970)

SWEENEY, MICHAEL J., Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

SNOECK, WALLACE, Professor Emeritus of Engineering (1968), B.A., M.S., Sc.D. (Massachusetts Institute of Technology), P.E. (California, Florida)

SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), M.S., Ph.D. (Cornell University)

SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)

SOKOLOF, STEVEN E., Associate Professor Emeritus of Education (1978), B.S., M.S., Ph.D. (Florida State University)

STEARMAN, ALLYN M., B.A., M.A., Ph.D. (University of Arizona)

STEARMAN, ALLYN M., B.S., M.A., Ph.D. (Florida State University)

TAYLOR, WALTER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)
Goodman, IRA, Courtesy Associate Professor Biomedical Science Center (2006), M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)

Goodwin, Kenneth, Courtesy Assistant Director, Career Services and Experiential Learning (2006)


Gorham, Jayne S., Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

Heinonen, Olle, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

Herbst, Lawrence, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

Hernandez, Florencio E., Secondary Joint Assistant Professor of Optics & Photonics. (2006), B.S., Ph.D. (Universidad Central de Venezuela)

Hickey, Michael H., Associate Professor of Physics (2003), Ph.D. (La Trobe University)

Hickman, James, Secondary Joint Professor (2009), M.S. (Massachusetts Institute of Technology)

Higbee, Russell, Courtesy Professor of Molecular Biology and Microbiology (2004), Ph.D. (Oklahoma State University)

Hill, Don-Michael, Courtesy Adjunct Instructor (2010), B.M. (Curts Institute of Music)

Holsenbeck, Daniel, Courtesy Professor of Communication (2009), B.S., M.Ed., Ph.D. (Florida State University)

Horn, Gordon, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., M.A., Ph.D. (Saint Louis University)

Huang, Xu, Courtesy Visiting Scholar (2007), B.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)

Hubsch, Tristan, Courtesy Graduate Faculty Scholar (2009), B.S., M.B.A., Ph.D. (University of Maryland)

Hussain, Saber, Courtesy Professor (2010), Ph.D. (Osmania University)

Jarvis, John, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)

Jedlica Morris, Lori, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)

Johnson, Nancy M., Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)

Kaplan, Michael, Professor of Psychology Ph.D. (Columbia University)

Kapoor, Vikram, Courtesy Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (Lehigh University)

Kar, Aravinda, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

Kelly, Daniel P., Courtesy Professor of Biomedical Sciences, Biomedical Science Center (2008), M.D.

Kennedy, Robert S., Professor of Psychology B.A., M.A., Ph.D. (University of Rochester)

Kennedy, Robert F., Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership (2005), B.A., M.A., Ph.D. (University of Florida)

Kim, Jong, Courtesy Research Scientist (2009), B.S., MS, PhD (Pennsylvania State University)

Kincaid, J. Peter, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education B.A., M.A., Ph.D. (Ohio State University)

Krupp, Linda, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)

Kuchma, Melissa, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)

Kyle, Tiffany Linkovich, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

Lee, Haejong, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)

Lehman, Jeffrey, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)

Lehner, Katherine, Courtesy Assistant Research Professor of Biology (2005), Ph.D. (University of Georgia)

Leli, Dano, Courtesy Clinical Assistant Professor of Psychology (2003), B.A., M.S., Ph.D. (University of Florida)

Lommen, Michael N., Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)

Li, Guangfeng, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)

Lieberman, R. Jane, Chair and Professor of Communication Sciences and Disorders (2000), B.S., M.S., Ph.D. (University of Florida)

Likawma, Patrick, L., Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)

Logalbo, Anthony, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Alabama at Birmingham)

Loughner, Barry A., Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

Lupo, Giovanni, Thesis Committee Members (2010), M.D. (University of Pennsylvania)

Marathe, Shiram, Courtesy Assistant Professor - Public Affairs (2007)

Martin, Lawrence, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)

Martin, Scott, Courtesy Faculty (2010), Ph.D., M.S. B.S. (University of Washington)

Masri, Addam, Nursing Thesis Committee Members (2010), M.D. (University of Florida)

Masunov, Artem E., Secondary Joint Associate Professor of FSEC and Physics (2009), BS, MS, Ph.D. (The City University of New York)

Mayer, David, Secondary Joint Appointment, Assistant Professor of Psychology (2005)

McNeese, Patrick, Courtesy Faculty Associate, School of Nursing (2002), University of Florida

McPherson, Brenda, Faculty Associate, Educational Studies (2003)

Meeke, Sanford, Courtesy Graduate Faculty Scholar (2009), BS, MS, PhD (University of Florida)

Mellen, Jill, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)

Menges, Eric, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)

Miha, Florin, Secondary Joint Assistant Professor (2009), M.S., Ph.D. (The Florida State University)

Mills, Larry, Courtesy Clinical Assistant Professor of Psychology (2009), Ph.D (University of Southern Mississippi)

Mills, Larry, Nursing Thesis Committee Members (2010), D. Min. (Bethany Theological Seminary)
MUNDY, CAROL, Courtesy Culture Keeper for African American Studies Program (2009).

NADLER, JODI, Courtesy Clinical Assistant Professor of Psychology (2009), BA, PhD (Nova University)

NICHOLS, JAMES, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)

NICHOLSON, DENISE, Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (1997), B.S., M.S., Ph.D. (University of Arizona)

ODELL, DANIEL KEITH, Courtesy Professor of Biology (1994), B.S., M.A., Ph.D. (University of California, Los Angeles)

OGDEN, JACQUELINE J., Assistant Research Professor of Biology (1999), B.A., M.S., Ph.D. (Georgia Institute of Technology)

ONEAL, THOMAS, Secondary Joint Assistant Professor (2005), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)

ONIK, GARY M., Research Assistant Professor of Medical Education (2005), B.S., M.S., M.B.A., Ph.D. (University of Negev)

ONIK, GARY M., Assistant Professor (2005), B.A., M.S., M.B.A., Ph.D. (Indian Institute of Technology)

ODELL, DANIEL KEITH, Courtesy Professor of Molecular Biology (2003), M.D. (New York Medical College)

PARKINSON, RANDALL, Courtesy Assistant Research Professor of Biology (2010), Ph.D., M.S., B.S. (University of Iowa)

PATTISAPU, JOGI, Courtesy Professor of Molecular Biology and Microbiology (2003), M.D. (University of Texas Medical Branch)

PEALE, ROBERT E., Secondary Joint Professor of Optics & Photonics. (2004), B.A., M.S., Ph.D. (Cornell University)

PHILLIPS, RONALD, Courtesy Visiting Scholar (2010), Ph.D. (Arizona State University)

PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics. (2004), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICOU, STEVEN, Courtesy Professor of Sociology (2004), B.A., M.A., Ph.D. (Louisiana State University)

PRITCHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)

PROVENCHER, DAVID, Courtesy Faculty Research Associate (2008), BSE (University of Central Florida)

PURMENSKY, KERRY, Secondary Joint Associate Professor (2009), M.S., Ph.D. (Southern Illinois University)

RAMSEY, CAROLYN, Nursing Thesis Committee Courtesy (2010), Ph.D. (Hampton University)

REBURN, CATHERINE JEAN, Assistant Research Professor of Biology (2002), BSCH, MSC, Ph.D. (Queen’s University)

REDFOOT, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)

RICHARDSON, MARTIN, Secondary Joint Professor School of Electrical Engineering and Computer Science (1990), B.S.C., A.R.C.S., Ph.D. (University of London)

RIVERS, ROSE, Nursing Thesis Committee (2010), Ph.D. (University of Florida)

RONEN, ADI, Visiting Researcher (2010), Ph.D. (University of Negev)

ROTH, JAMES D., Assistant Research Assistant Professor (2000), B.A., M.S., Ph.D. (University of Minnesota)

SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008).

SANTRA, SWADESHMUKUL, Secondary Joint Associate Professor (2006), BS, MS, PhD (Indian Institute of Technology)

SCHNEIDER, KIMBERLY, Research Assistant Professor (2009), BS, PhD (University of South Carolina)

SCHULTE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics. (2004), Dr. rer. nat. (Technische Universität München)

SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABP

SHAH, MUBARAK A., Secondary Joint Professor of Optics and Photonics (1986), B.E., M.S., Ph.D. (Wayne State University)

SHERIN, KEVIN, Courtesy Associate Professor of Public Affairs; Courtesy Associate Professor of Family Medicine (2006), B.A., M.P.H., M.D. (Loyola University of Chicago Stritch School of Medicine)

SHICHMAN, JAY DAVIN, Courtesy Adjunct Instructor (2006), Ph.D. (Texas A&M University)

SHI, RONGSHENG, Courtesy Visiting Scholar (2010), M.A. (Jinan University)

SHROE, STEVE, Professor, Marketing (2003), Northwestern University

SHUMAKER, RANDALL P., Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Pennsylvania)

SILVFAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SIMPSON, PHILIP LOCKWOOD, Courtesy Adjunct Instructor of Educational Studies (2006), B.A., M.A., Ph.D. (Southern Illinois University)

SINGER, MICHAEL JAMES, Courtesy Faculty Associate, Psychology (2005), B.A., M.S., Ph.D. (University of Maryland)

SMITH, STEVEN, Courtesy Professor of Biomedical Sciences (2010), M.D. (University of Texas)

SOLEAU, M. J., Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Southern California)

SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

S OR L O A C I - H I C K M A N, NICOLETA, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology (2009), Ph.D., M.S. (Clemson University)

STANNEY, KAY, Courtesy Faculty (2010), Ph.D. (Purdue University)

STEPHAN, MICHELLE, Courtesy Graduate Faculty Scholar (2009), BS, MS, Ed.D. (Vanderbilt University)

STERN, ALAN, Courtesy Graduate Faculty Scholar (2009), BS, BS, MS, Ph.D. (University of Colorado)

STERN, JONATHAN S, Assistant Professor of Biology (2002), B.A., M.A., Ph.D. (Texas A&M)

STEWARD, DUANE, Secondary Joint Assistant Professor of Medical Education (2007), Ph.D.

STOLEN, ERIC, Courtesy Assistant Research Professor of Biology (2010), Ph.D., M.S., B.S. (University of Florida)

STREIFER, JAMIE, Courtesy Adjunct Instructor (2009), BM, MM (University of South California)


Sweeney, Paul D., Professor of Psychology (1984), B.S., M.D. (Indiana University)

THEIS, ELIZABETH, Courtesy Instructor (2010).

VAHAMAA, SAMI, Finance Visiting Scholar (2006), Ph.D. (University of Vaasa)

VALDES, EDUARDO V., Associate Research Professor of Biology (2002), M.S., Ph.D. (University of Guelph)

VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics (1990), B.S., M.S. (University of Arizona)

VITANOVA, GERGANA, Secondary Joint Associate Professor (2009), M.A., Ed.D. (University of Cincinnati)

WARREN, WILLIAM, Courtesy Associate Professor of Molecular Biology and Microbiology (2006), Ph.D. (Pennsylvania State University)

WASHINGTON, KEVIN, Courtesy Consultant, Internal Title: Professional Development Appointee for African American Studies Program (2009), PhD (Texas A & M University)

WATSON, STEPHEN M., Secondary Joint Assistant Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (University of Nottingham)

WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics. (2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WESTERVERD, MICHAEL, Courtesy Clinical Assistant Professor of Psychology (2009), BS, PhD (Fairleigh Dickinson University)

WHEELER, RAYMOND, Professor, Biology (2003), (Utah State University)

WIEGAND, RUDOLF, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science (2007), Ph.D. (George Mason University)

WILLIAMS, LAN, Courtesy Assistant Professor (2010), Ph.D. (University of Western Ontario)

WILLIS, JAYNE, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of Florida)

WITHERINGTON, BLAIR ERNEST, Research Assistant Professor, Biology (1999), B.S., M.S., Ph.D. (University of Florida)

WOJCAN, PAWEL, Associate Professor, School of Electrical Engineering and Computer Science, Secondary Joint Associate Professor of Mathematics (2009), MS, PhD (University of Karlsruhe)

WU, SHIN-TSON, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (2004), B.S., Ph.D. (University of Southern California)

YOUNT, JIM, Courtesy Adjunct Instructor, Educational Studies (2007), Ph.D. (Florida Institute of Technology)

ZARDO, P. RICHARD, Research Professor of Mechanical Engineering B.A., B.S., M.S., Ph.D. (Columbia University)

ZHAI, LEI, Secondary Joint Associate Professor FSEC and MMAE (2009), B.S., M.S., Ph.D. (Carnegie Mellon University)

ZHANG, NING, Secondary Joint Assistant Professor (2009), B.S., M.A., M.D. (Virginia Commonwealth University), Shandong Medical University

ZHAO, JIM JIAN, Clinical Faculty, Health Services Administration (2003), M.B.A., M.D., Ph.D. (Oxford University)

ZHOU, HUIYANG, Courtesy Faculty (2010), Ph.D., M.S., B.S. (North Carolina State University)
Administraive Officers and Staff

**ABNEY, BARBARA COMPTON,** Director, Marketing/Communications, Office of Research & Commercialization (1997), B.S. in Journalism (University of Florida)

**ARCHER, SANDRA,** Director, University Analysis and Planning Support (2004), B.A., M.S., Ph.D. (University of Central Florida)

**AZURE, BEVERLY,** Director, Academic Services

**BALANOFF, JANET P.,** Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)

**BEARY, RICHARD,** Assistant Vice President for Safety and Security and Chief of Police (2007), B.A., M.S. (University of Central Florida)

**BERRY, ANDREA,** Director, Faculty Development, College of Medicine (2009), M.P.A. (Grand Valley State University)

**BERSIA, JOHN,** Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

**BISHOP, RHONDA,** Chief Compliance and Ethics Officer (2011), M.B.A. (Virginia Commonwealth University)

**BOHLEN, PATRICK,** Director, Landscape and Natural Resources and Arboretum and Professor of Biology (2010), B.S., M.S., Ph.D. (Ohio State University)

**BORDEN, M. PAIGE,** Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)

**BOSTON, BELINDA,** Assistant Vice President, Student Development and Enrolment Services (2004), B.S., M.S. (Western Illinois University)

**BOYD, BRIAN,** University Registrar (2006), B.S., M.B.A. (University of Wisconsin-Milwaukee)

**BRADFORD, DEBORAH,** Director, Enrolment Services, UCF Regional Campuses (2010)

**BRADLEY, LINDA,** Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

**BRADY, PAMELA A.,** Director, Student Services, Western Region (1990), A.A., B.A. (University of Central Florida)

**BULGER, SANDRA,** Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)

**CHANDIA, NATALY,** Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

**CHASE, DIANE Z.,** Executive Vice Provost, Pegasus Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)

**CHAVIS JR., GORDON D.,** Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)

**CHEREPOW, SANDRA M.,** Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

**CLARK, TRACY,** Assistant Vice President for Finance and University Controller (2003), B.B.A., J.D. (University of Cincinnati)

**COLE, W. SCOTT,** Vice President & General Counsel (2002), B.S., J.D. (University of Florida)

**CONSTANTINO, PAUL,** Director, Activity and Service Fee Business Office (2007), A.S., B.S. (State University of New York College at Brockport)

**DAVIS, JAMES,** Interim Director, Facilities Planning (2003), B.D., M.S. (University of Tennessee)

**DEICHEN, MICHAEL,** Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)

**DONEGAN, HELEN,** Vice President for Community Relations (1995), B.A. (San Jose State University)

**DORMAN, TERESA,** Assistant Dean, College of Sciences (1996), B.S., M.A., Ed.D. (University of Central Florida)

**DORNER, JOYCE E.,** Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)

**DRESSLER, SHERI,** Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)

**DULLAGHAN, PATRICIA,** Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)

**DZUBAN, CHARLES D.,** Director, Research Initiative for Teaching Effectiveness, and Professor Emeritus of Education (1970), B.S., M.Ed., Ph.D. (University of Wisconsin)

**EHAS, MARIBETH,** Vice President for Student Development and Enrolment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

**EKERN, SHARON L.,** Associate Vice President, Student Development and Enrolment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

**FERNANDEZ, JOSE,** Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (Florida State University)

**FORTIER, VANESSA,** Associate Vice President, Finance (1986), B.S.B.A., M.B.A. (University of Central Florida)

**GARDNER, DAN,** Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

**GERMAN, DEBORAH C.,** Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

**GLASPIE, HENRY,** Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)

**GONZALEZ, LYNN,** Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)

**GRAY, BETSY L.,** Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)

**GUMBLED MARK,** Assistant Vice President, Student Development and Enrollment Services (2005), B.A. (Binghamton University)

**HALL, RHONDA C,** Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

**HALL, THOMAS,** Director, Wellness and Health Promotion Services (2005), B.S., M.S. (Florida State University)

**HARLING, SUZANNE M.,** Director, Student Union (1998), B.S. (Bentley College)

**HANSEN, LYNN,** Executive Director, Career Services (2008), A.A., B.S., M.Ed. (University of West Florida)

**HARRIS, ALFRED G.,** Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

**HARTZLER, CHRISTI A.,** Executive Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)

**HARKER, CHRISTINE K.,** Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

**HARTZLER, CHRISTI A.,** Executive Director, I.T. Services, UCF Regional Campuses (2010)

**HESTON, GRANT J.,** Associate Vice President, Communications and Public Affairs (2007), B.S. (University of Florida)

**HILL, HELEN,** Director of Advising, UCF Regional Campuses (2010)

**HITT, JOHN C.,** President of the University, Professor of Philosophy (1992), B.A., M.S., Ph.D. (Tulane University)

**HOLMES, STEPHEN,** Interim Assistant Vice President, Academic Initiatives - UCF Regional Campuses (1997), B.S., M.A., Ph.D. (University of Cincinnati)

**HOLMES JR., ROBERT J.,** Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation. (1998), B.A., M.A. (University of Maine)

**HOLSENBECK, DANIEL C.,** Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)

**HOPE, THOMAS L.,** Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)

**HOURSE, MARK,** Coordinator of Accreditation and Program Approval (2010), B.S., M.S., Ph.D. (Florida State University)

**HOSSENG PEGGY,** Director, Business Services (2005), B.A., M.A. (Florida International University)

**JACKSON, JOHN,** Interim Director, Environmental Health and Safety (2005), B.S. (Auburn University)

**JACKSON, WAYNE,** Director, Multicultural Academic and Support Services (2007), B.A., M.A. (Dallas Theological Seminary)

**JAFFE, LARRY,** Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S. (Rutgers University)

**JARLEY, PAUL,** Dean, College of Business Administration (2012), B.S., M.A., Ph.D. (University of Wisconsin-Madison)

**JARRELL-COLE, MARGARET,** Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.M., J.D. (University of Florida)

**JEFFERSENN, ALLISON,** Executive Director of Administration (1999), B.S., M.S. (Northwestern University)

**JONES, TRACY R.,** Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

**JUNTHEN, DANA,** Director, Office of Student Rights and Responsibilities (2003), B.A., M.Ed. (James Madison University)

**KERNKE, LEE,** Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)


**KITTINGER JR., FRED R.,** Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

**LANCEY, PATRICE,** Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)
LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008).

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007). B.A. (University of South Florida)

LARTONOIX, PAUL F., Assistant Dean of Space, Inventory, and Arts Liaison B.A., M.F.A. (Lindenwood University)

LEINSING, DONNA, Executive Director/UCF Academy (1993). B.A.Ed., M.Ed. (University of Central Florida)

LYONS-OTEN, TERESA, Registrar, College of Medicine (2007). B.S. (Tennessee State University)


MacKOWN, PATRICIA A., Associate Vice President, Student Development and Enrollment Services (1979). B.A., M.A. (University of Central Florida)


MASON, GREGORY S., Director, Fraternity & Sorority Housing and Development (1990). B.A., M.S. (Indiana University)

MASSEY, KIMYA, Director, Academic Services for Student Athletes (2011). B.A., M.S. (Michigan State University)


MCKINNEY, MARY, Executive Director, Student Financial Assistance (1971). B.S., M.P.A. (University of Central Florida)

MEALOR, DAVID, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980). B.S., Ph.D. (University of Georgia)

MERCK II, WILLIAM F., Vice President for Administration and Finance and CFO (1996). B.B.A., M.B.A. (Georgia State University)

MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992). B.S., M.B.A. (Embry Riddle Aeronautical University)

MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2006). Ph.D. (Texas Christian University)

MOROEZ, JUDITH E., Associate Vice President, University Support (1978). B.S., M.A. (University of Central Florida)

MOORE, RHONDA, Director, Creative School for Children (2001). B.A., M.Ed. (Virginia Commonwealth University)


NEIGHBOR, J. EDWARD, Vice Provost, Space Planning, Analysis, and Administration (1987). B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NORBURN, CHARLES, SDES Division IT Manager (2007). A.S., B.S., M.B.A. (University of Central Florida)

NORVELL, DAVID, Executive Director of Facilities and Director, Sustainability and Energy Management (2003). B.S. (University of Central Florida)

O’NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2003). B.A., M.A. (Ohio State University)

OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2006). M.P.A. (Rollins College)

OML, STEVE, Director, Finance and Accounting, College of Medicine (2008). M.B.A. (University of North Carolina)

ORO, GLENN, Assistant Vice President, Community Relations (1999). B.A. (University of Central Florida)


PAVLONNIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1998). B.S., M.S. (University of Tennessee)

PAYNE, RICHARD S., Assistant Vice President, SMCA Operations (2002). B.S., M.B.A. (University of Central Florida)


PEPPLER, RICHARD D., Associate Dean, Faculty and Academic Affairs, College of Medicine (2007). B.A., Ph.D. (University of Kansas)

PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, Marketing and Outreach (2005). B.S., M.S. Ed. (Pittsburgh State University)

PETKOV, ANA, Director, Constituent Relations (2008)

PIETY, REBECCA, Director, Student Academic Resource Center and University Testing Center (1998). B.A., M.A. (University of Central Florida)

PITTMAN, JOHN, Assistant Vice President for Debt Management (2000). B.S., M.S. (University of Central Florida)

POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005). B.S., Ph.D. (Medical College of Georgia)

PRESTON, MICHAEL, Director, Office of Student Involvement (2011). B.A., M.S. (Southern Illinois University - Carbondale)

PRIEST, DeLAINÉ, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)

RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994). B.S., M.Ed. (Florida A&M University)

REA, PAMELA, Director, Student Disability Services (2004). B.A., M.Ed. (National-Louis University)


REED, HAL C., Assistant Vice President for Planned Giving (2000). B.A., J.D. (University of Kansas)


ROBERTS, MARK A., Assistant Vice President for Human Resources and Chief HR Officer (1986). B.A., M.A. (Central Michigan University)

ROBINSON, GREGORY, Director, Purchasing (1998). B.S., M.P.A. (University of Central Florida)

SAYWER, CURTIS, Assistant Vice President for Business Services (2007). B.S. (United States Military Academy)

SCHOLL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987). B.A., M.A., Ph.D. (Vanderbilt University)

SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007). B.S., Ph.D. (University of South Carolina)

SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000). B.S. (Florida Southern College)

SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2000). B.S., M.G.A. (University of Pennsylvania)

SELM, BASMA, Director, Analysis, Planning and Accreditation, College of Medicine (2005). Ph.D. (University of Central Florida)
UCF Administrative Officers and Staff

VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VITTES, M. ELLIOT, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

WALDROP, TONY, Provost and Executive Vice President (2010), B.A., M.A., Ph.D. (University of North Carolina, Chapel Hill)

WALTON, ROXANE, Director, Human Resources (2002), B.S. (Stetson University)

WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)


WEIDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)

WELCH, KERRY, Associate Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WITHEINGTON, ANDREA, Director of Graduate Services (2000), B.S., M.A. (George Washington University)

WYATT, JENNIFER, Director, Integrity and Ethical Development (2002), A.A.S., B.S.B.A, M.A. (Appalachian State University)

YANKELO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

ZUGELDER, BRYAN, Director of Clinical Experiences (2005), B.S., M.S., Ed.D. (Nova Southeastern University)
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<td>April 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>May 2002 Robert E. Kahn, Doctor of Science</td>
</tr>
<tr>
<td>December 1988</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td>May 2009 Howard Lance, Doctor of Science</td>
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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida State 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.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CED: College of Education.

Certificate: special program of study supplemental to a major.

CT: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.
Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center STEP: State Tuition Exemption Program Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into forths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. Provides the “Academic Calendar”, guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students are still responsible for tuition and fees for withdrawn courses.
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